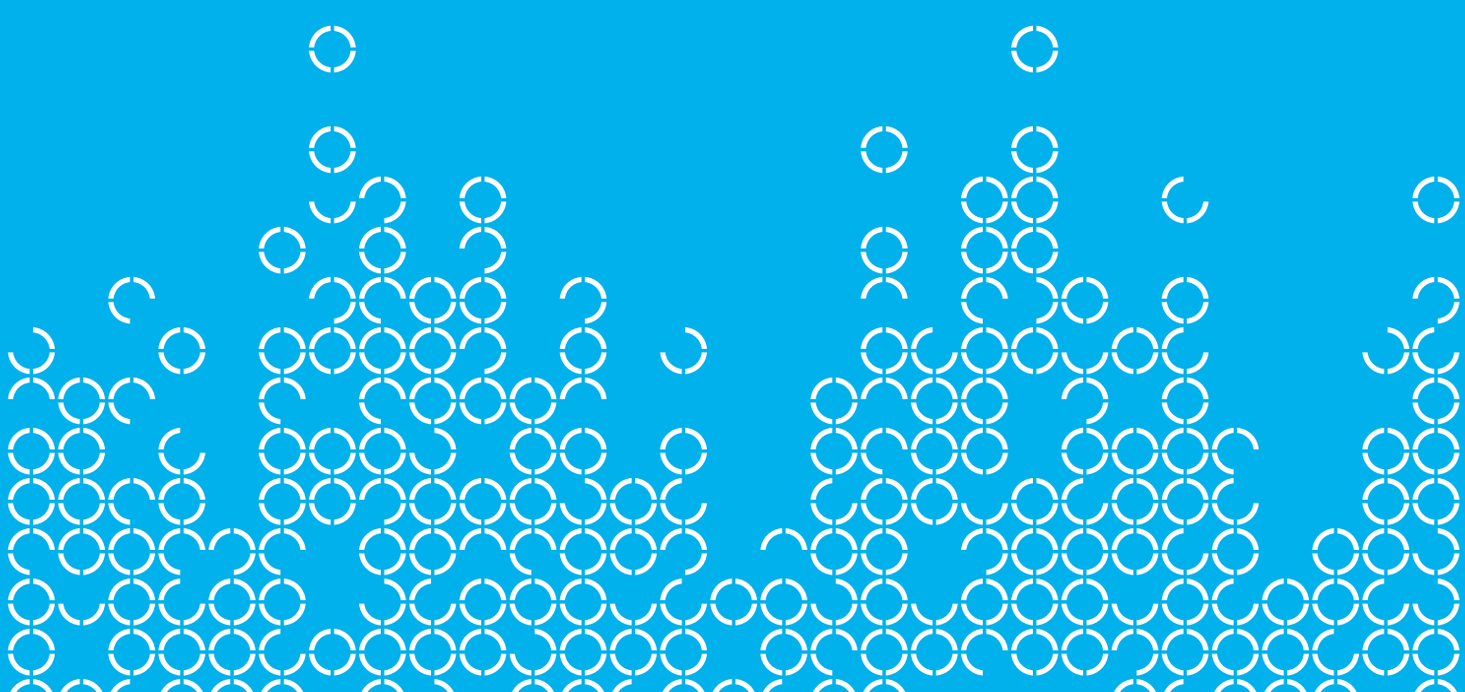
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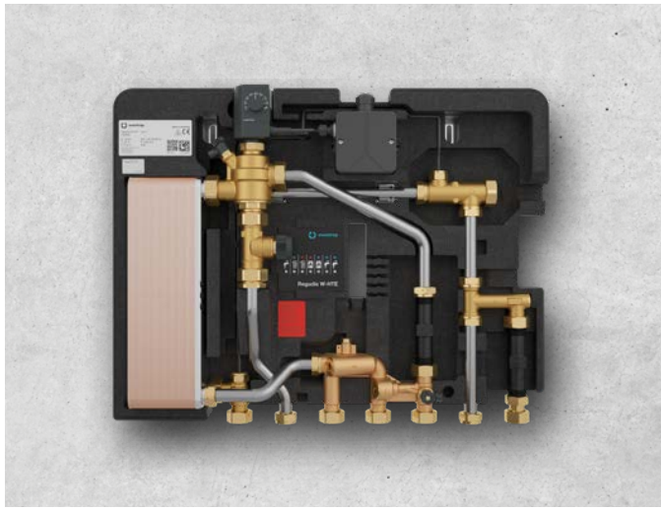
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We produce long-lasting, high quality products which can be globally connected to flexible systems – easy to install, energy-efficient and always reliable.

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for direct exchange on site

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for more flexibility



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at a glance

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Our ***Blackline Edition in the trendy colour matt black*** blends harmoniously into any modern living room or bathroom. The set consisting of a **Multiblock T** connection fitting, a design cover, a **Uni SH** thermostat and an **SH-Cap** is the perfect match for all black radiators and precisely regulates the desired temperature. The special surface with ***anti-fingerprint-effect*** is particularly easy to clean.

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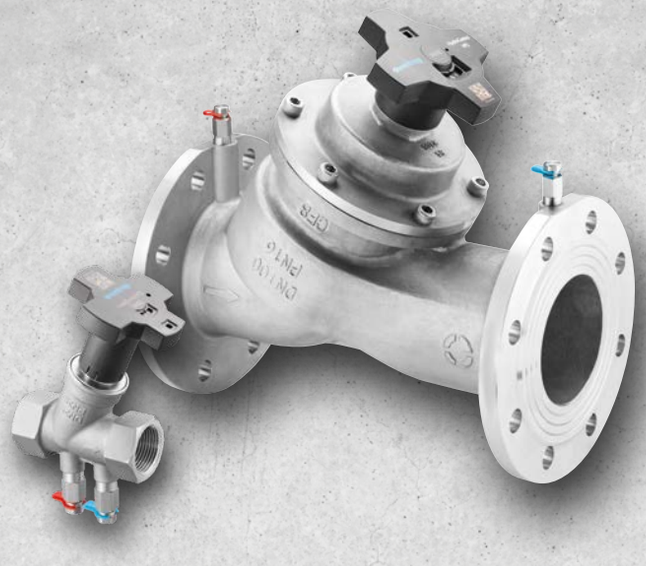
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6 Smart Home
Smart Building

7 Service and data
























































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Hydronic balancing at the radiator

Surface heating and cooling

Hydronic balancing of risers in heating and cooling systems

Hydronic balancing with pressure independent control valves

Connection and control of heating and cooling devices

Differential pressure measurement and verification of water quantities

Shutoff valves and other pipeline valves

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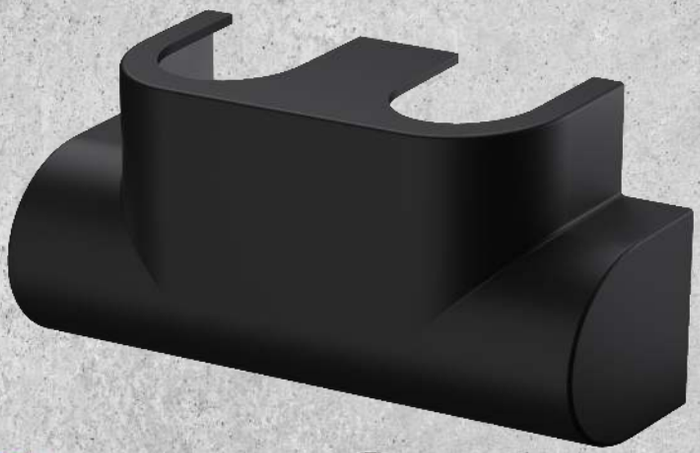
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Blackline Edition

Precision heat. Clean style.

Stylish and matt, refined and minimalist - this is how the ***new Blackline Edition*** our proven combination consisting of a **Multiblock T** connection fitting and a **Uni SH** thermostat presents itself.

Our ***Blackline Edition in the trendy colour matt black*** blends harmoniously into any modern living room or bathroom. The set consisting of a connection fitting **Multiblock T**, a design cover, a **Uni SH** thermostat and an **SH-Cap** is the perfect match for all black radiators and precisely regulates the desired room temperature. The special surface with ***anti-fingerprint effect*** is particularly easy to clean.



Find out more about **Multiblock T** and **Uni SH** in the ***trendy colour matt black*** at

blackline.oventrop.com

Uni L Thermostats



The **Uni L thermostat** impresses with its **simple** and **timeless design**. Handling and readability are optimally matched. The radiator thermostat is equipped with a memo disc to mark a selected setting, which makes it easy to reset a desired temperature after turning the handwheel.

The setting range can be limited or blocked using the two concealed internal **limiting elements**. In case of unfavourable lighting conditions or for visually impaired persons, the basic setting "3" can easily be found again by using the palpable setting aids.

Control element	Liquid sensor
Remote control with room temperature sensor	No
Max. heating medium temperature	120 °C

Uni LH with M 30 x 1.5



Thermostat thread	M 30 x 1.5	Blocking / Limiting	Yes
Setting aid for visually impaired persons	Yes		

Colour	RAL*	Zero position	Frost protection	Setting range (°C)	Anti-theft ring	Item No.
White	9016	Yes	Yes	7 up to 21	Accessories	1011462
White	9016	No	Yes	7 up to 28	Accessories	1011464
White	9016	Yes	Yes	7 up to 28	Accessories	1011465
Anthracite	7016	Yes	Yes	7 up to 28	Accessories	1011467
White	9016	No	No	8 up to 38	Accessories	1011488
White	9016	Yes	Yes	7 up to 28	No	1018561
White	9016	Yes	Yes	7 up to 21	No	1018562

Uni LH with remote sensor, M 30 x 1.5



RAL*	9016	Setting aid for visually impaired persons	Yes
Thermostat thread	M 30 x 1.5	Anti-theft ring	Accessories
Frost protection	Yes	Blocking / Limiting	Yes

Colour	Zero position	Capillary tube length* (mm)	Setting range (°C)	Item No.
White	Yes	2,000	7 up to 28	1011665
White	Yes	5,000	7 up to 28	1011666
White	No	2,000	7 up to 28	1011682 °
White	No	2,000	8 up to 38	1011688 °

RAL = RAL colour
Capillary tube length = Capillary tube length from thermostat to remote control

° Production will be discontinued

Uni LH without zero position, without number, M 30 x 1.5



Suitable for Oventrop thermostatic valves manufactured until 1998.

RAL*	9016	Remote sensor	No
Zero position	No	Protection against vandalism	Accessory
Thermostat thread	M 30 x 1.5	Setting aid for visually impaired persons	Yes
Frost protection	Yes	Anti-theft ring	Accessories
Setting range	7 up to 28 °C	Blocking / Limiting	Yes

Colour	Item No.
White	1011463

Uni LHB (lockshield configuration) with M 30 x 1.5



RAL*	9016	Lockshield configuration	Yes
Thermostat thread	M 30 x 1.5	Setting aid for visually impaired persons	No
Frost protection	Yes	Anti-theft ring	Yes
Zero position	No	Protection against vandalism	Yes
Setting range	7 up to 28 °C		

Colour	Item No.
White	1011410

Uni LD with squeeze connection



Suitable for Danfoss thermostatic valves series RA.

Thermostat thread	Squeeze connection	Anti-theft ring	No
Frost protection	Yes	Blocking / Limiting	Yes
Setting range	7 up to 28 °C		
Setting aid for visually impaired persons	Yes		

Colour	RAL*	Zero position	Item No.
White	9016	No	1011472
White	9016	Yes	1011475

Uni LDB (lockshield configuration) with squeeze connection



Suitable for Danfoss thermostatic valves series RA.

RAL*	9016	Setting aid for visually impaired persons	No
Zero position	No	Anti-theft ring	Yes
Thermostat thread	Squeeze connection	Protection against vandalism	Yes
Frost protection	Yes		
Setting range	7 up to 28 °C		

Colour	Item No.
White	1011440

RAL = RAL colour

Uni L Special thermostats



The special thermostats follow the **design of the Uni L thermostat**. Handling and readability are optimally matched. The radiator thermostat is equipped with a memo disc to mark a selected setting, which makes it easy to reset a desired temperature after turning the handwheel.
The setting range can be limited or blocked using the concealed **limiting elements**.
In case of unfavourable lighting conditions or for visually impaired persons, the basic setting "3" can easily be found again by using the palpable setting aids.
The connection threads are specially adapted to the specified valve manufacturers.

Control element	Liquid sensor
Zero position	Yes
Frost protection	Yes
Setting range	7 up to 28 °C
Remote sensor	No
Remote control with room temperature sensor	No
Setting aid for visually impaired persons	Yes
Blocking / Limiting	Yes
Max. heating medium temperature	120 °C

Uni L with M 30 x 1.0

Suitable for Oventrop thermostatic valves manufactured until 1998.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 30 x 1.0	No	Accessories	1011401

Uni LK with M 28 x 1.0

Suitable for Kosmia thermostatic valves.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 28 x 1.0	No	No	1613501

Uni LA with M 28 x 1.5

Suitable for Herz thermostatic valves.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 28 x 1.5	Accessory	Accessories	1613401

RAL = RAL colour

Uni LI with M 32 x 1.0



Suitable for Ista thermostatic valves manufactured from 1985.

Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 32 x 1.0	No	No	1616200

Uni LR with M 33 x 2.0



Suitable for Rossweiner thermostatic valves.

Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 33 x 2.0	No	No	1616301

Uni LM with M 38 x 1.5



Suitable for Meges thermostatic valves.

Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 38 x 1.5	No	No	1616100

Uni LO with M 38 x 1.5



Suitable for Oreg (Ondal) thermostatic valves.

Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	M 38 x 1.5	No	No	1616500

Uni LDVL with squeeze connection



Suitable for Danfoss thermostatic valves series RAVL.

Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	Squeeze connection (Ø 26 mm)	No	No	1616675

RAL = RAL colour

Uni LDV with squeeze connection

Suitable for Danfoss thermostatic valves series RAV.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	Squeeze connection (Ø 34 mm)	No	No	1616575

Uni LV with squeeze connection

Suitable for Vaillant thermostatic valves manufactured from 1981.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9016	Squeeze connection	No	No	1616001

maxi/mini with M 40 x 1.5

Suitable for Oventrop maxi/mini thermostatic valves manufactured until 1974.



Colour	RAL*	Thermostat thread	Protection against vandalism	Anti-theft ring	Item No.
White	9010	M 40 x 1.5	No	No	1015500

RAL = RAL colour

Uni X Thermostats



The **Uni X thermostat** is a **design oriented** radiator thermostat. Handling and readability are optimally matched. The radiator thermostat is equipped with a memo disc to mark a selected setting, which makes it easy to reset a desired temperature after turning the handwheel.

The setting range can be limited or blocked by moving the **limiting elements** out of the park position (factory setting). In case of unfavourable lighting conditions or for visually impaired persons, the basic setting "3" can easily be found again by using the palpable setting aids.

The radiator thermostat is characterized by excellent control behaviour, optimal handling and excellent design.

Control element	Liquid sensor
Frost protection	Yes
Setting range	7 up to 28 °C
Setting aid for visually impaired persons	Yes
Blocking / Limiting	Yes
Max. heating medium temperature	120 °C

Uni XH with M 30 x 1.5



Colour	RAL*	Thermostat thread	Zero position	Anti-theft ring	Item No.
White	9016	M 30 x 1.5	No	Accessories	1011364
White	9016	M 30 x 1.5	Yes	Accessories	1011365

Uni XH with remote sensor, M 30 x 1,5



Colour	RAL*	Thermostat thread	Zero position	Capillary tube length* *(mm)*	Anti-theft ring	Item No.
White	9016	M 30 x 1.5	Yes	2,000	Accessories	1011565 °
White	9016	M 30 x 1.5	Yes	5,000	Accessories	1011566 °

Uni XHM with M 30 x 1.5

Especially suitable for valve sizing with **1K P-deviation**. With larger specific stroke.



Colour	RAL*	Thermostat thread	Zero position	Anti-theft ring	Item No.
White	9016	M 30 x 1.5	Yes	Accessories	1011360 °

RAL = RAL colour
Capillary tube length = Capillary tube length from thermostat to remote control

° Production will be discontinued

Uni XD with squeeze connection



Colour	RAL*	Thermostat thread	Zero position	Anti-theft ring	Item No.
White	9016	Squeeze connection	No	No	1011374 °
White	9016	Squeeze connection	Yes	No	1011375

RAL = RAL colour

° Production will be discontinued

Uni SH Thermostats



The **Uni SH** thermostat with liquid sensor enables the room temperature to be controlled in a **modern design**. The radiator thermostat in the new, slim design combines extraordinary shape with outstanding function. Handling and readability are excellent.

The discreet contours on the chrome plated handle sleeve increase the ease of handling. In case of unfavourable lighting conditions or for visually impaired persons, the basic setting can easily be found again by using the palpable setting aids. The elegant thermostat is balanced in itself. The lines are clear and uncluttered, unnecessary corners and edges have been avoided.

In addition, white, chrome-plated and anthracite SH-Caps are available for use in combination with a Multiblock T and the corresponding design cover (see chapter "Thermostats Accessories and spare parts"). The colour variants of the **SH-Caps** are matched to the colour palette of modern radiators and bathroom radiators.

The Uni SH thermostat is particularly recommended in combination with the Oventrop **E thermostatic valves** for modern living room design.

Uni SH with M 30 x 1.5



Control element	Liquid sensor
Zero position	Yes
Frost protection	Yes
Setting range	7 up to 28 °C

Setting aid for visually impaired persons	Yes
Blocking / Limiting	No
Max. heating medium temperature	120 °C

Colour	RAL*	Thermostat thread	Item No.
Matt black	9005/9011	M 30 x 1.5	1012063 ⁘
White / Chrome	9016	M 30 x 1.5	1012065
White	9016	M 30 x 1.5	1012066
Chrome	-	M 30 x 1.5	1012069
Stainless steel	-	M 30 x 1.5	1012085



SH-Cap

For improved appearance of the Uni SH thermostat by covering the union nut when used with Multiblock and design cover.

Description	Item No.
Anthracite (RAL 7016)	1012080
Chrome-plated	1012081
White	1012082
Matt black	1012083 ⁘

RAL = RAL colour

⁘ New in the catalogue 2026

Design thermostats



2016 2018 2018

The design thermostats set special accents.

pinox. **The thermostat**. Functional and perfectly shaped, it cuts a fine figure on radiators. The handle allows for easy and precise temperature setting.

Since its market launch, the pinox thermostat has already received numerous design awards in a wide range of competitions.

The pinox thermostat is particularly recommended in combination with the Oventrop **E thermostatic valves** for modern living room design.

The **Uni CH thermostat** speaks for an **extravagante design** which was created by Luigi Colani.
The design-oriented appearance is rounded off by a precisely coordinated functionality.

The union nut of the thermostat can be concealed by a sliding cover.

Control element	Liquid sensor
Zero position	No
Thermostat thread	M 30 x 1.5
Frost protection	Yes
Setting range	7 up to 28 °C

Anti-theft ring	No
Blocking / Limiting	No
Max. heating medium temperature	120 °C



pinox H with M 30 x 1.5

Colour	Item No.
Chrome	1012165 °

° Production will be discontinued

vindo Thermostats



The **vindo thermostat** is characterized by a **simple** and **slim** design. The reduced dimensions combine extraordinary shape with outstanding function.

Handling and readability are excellent. In case of unfavourable lighting conditions or for visually impaired persons, the basic setting "3" can easily be found again by using the palpable setting aids.

Control element	Liquid sensor
Zero position	Yes
Frost protection	Yes
Setting range	7 up to 28 °C

Setting aid for visually impaired persons	Yes
Blocking / Limiting	Yes

vindo TH with M 30 x 1.5



Colour	RAL*	Thermostat thread	Anti-theft ring	Max. heating medium temperature (°C)	Item No.
White	9016	M 30 x 1.5	Accessories	120	1013066
White	9016	M 30 x 1.5	Accessories	-	1018566

vindo TD with squeeze connection

Suitable for Danfoss thermostatic valves series RA.



Colour	RAL*	Thermostat thread	Anti-theft ring	Max. heating medium temperature (°C)	Item No.
White	9016	Squeeze connection	No	120	1013076

vindo RTD with squeeze connection

Suitable for Danfoss thermostatic valves series RTD.



Colour	RAL*	Thermostat thread	Anti-theft ring	Max. heating medium temperature (°C)	Item No.
White	9016	Squeeze connection	No	120	1613066

Uni F Thermostats



The **Uni F thermostat with remote control** is particularly suitable for underfloor convectors, surface heating systems and covered or concealed radiators.

The versions with connection thread M 30 x 1.5 are also available with an additional remote sensor.

Control element	Liquid sensor
Frost protection	Yes
Setting range	7 up to 28 °C
Remote control with room temperature sensor	Yes
Setting aid for visually impaired persons	No
Blocking / Limiting	Yes
Max. heating medium temperature	120 °C

Uni FHU with remote control and closed handwheel, M 30 x 1.5



Colour	RAL*	Zero position	Thermostat thread	Remote sensor	Capillary tube length 2* *(mm)*	Item No.
White	9016	Yes	M 30 x 1.5	No	2,000	1012595
White	9016	Yes	M 30 x 1.5	No	5,000	1012596
White	9016	Yes	M 30 x 1.5	No	10,000	1012597

Uni FH with remote control, M 30 x 1.5



Colour	RAL*	Zero position	Thermostat thread	Remote sensor	Capillary tube length* *(mm)*	Item No.
White	9016	Yes	M 30 x 1.5	No	2,000	1012295
White	9016	Yes	M 30 x 1.5	No	5,000	1012296
White	9016	Yes	M 30 x 1.5	No	10,000	1012297

Uni FH with remote control and remote sensor, M 30 x 1.5



Colour	RAL*	Zero position	Thermostat thread	Remote sensor	Capillary tube length* *(mm)*	Item No.
White	9016	Yes	M 30 x 1.5	Yes	2,000	1012395
White	9016	Yes	M 30 x 1.5	Yes	5,000	1012396

RAL = RAL colour
Capillary tube length 2 = Capillary tube length from thermostat to remote control
Capillary tube length = Capillary tube length from thermostat to remote control

Uni FD with remote control, squeeze connection



Colour	RAL*	Zero position	Thermostat thread	Remote sensor	Capillary tube length* *(mm)*	Item No.
White	9016	Yes	Squeeze connection	No	2,000	1012275

RAL = RAL colour
Capillary tube length = Capillary tube length from thermostat to remote control

Manual regulating heads



The manual regulating heads allow for later conversion to actuators or thermostats without draining the system.

Zero position	No	Blocking / Limiting	No
Frost protection	No		

Manual regulating head



Colour	RAL*	Thermostat thread	Item No.
White	9010	M 30 x 1.5	1012565
White	9010	Squeeze connection	1012575

RAL = RAL colour

Thermostats - Accessories and spare parts



Adapter

Description	Item No.
For conversion from M 30 x 1.0 to M 30 x 1.5	1011445



Angle adapter

Description	Item No.
White, connection thread M 30 x 1.5	1011450



Extension for thermostatic valves

Description	Item No.
For thermostatic valves and Uniboxes (manufactured until 2019), 20 mm	1022698



Anti-theft ring

Description	Item No.
White, for Uni XH, LH, DH, D, L, termios Pro M 30 x 1,5 / M 30 x 1,0, Herz and Kosmia thermostats, set = 5 pieces	1011766



Union nut cover

Description	Item No.
Anthracite, for Uni LH, SH, XH, LA and vindo TH thermostats, set = 5 pieces	1011380
Chrome-plated, for Uni LH, SH, XH, LA and vindo TH thermostats, set = 5 pieces	1011381
White, for Uni LH, SH, XH, LA and vindo TH thermostats, set = 5 pieces	1011393
Matt black, for Uni LH, SH, XH, LA and vindo TH thermostats, set = 5 pieces	1011394 ⁘



Reinforcing cap

For the protection against vandalism.

Description	Item No.
For Uni LH, LHZ and LA thermostats, not lockable, white	1011865
For Uni LH, LHZ and LA thermostats, lockable, white	1011866

⁘ New in the catalogue 2026



Combined cap

Description	Item No.
For thermostatic valves, opening and closing possible with Allen screw, M 30 x 1.5	1627965



Setting key

Description	Item No.
For Uni LHB and LDB thermostats	1011497



Universal tool

Description	Item No.
For Uni LHB, LDB, LH and L thermostats as well as AV 9 and AQ thermostatic valves	1011489



Tool for thermostats

Description	Item No.
For Uni LH, LHZ, LD, LDV, LDVL and L thermostats as well as special thermostats, for loosening the handwheel and clips, set = 5 pieces	1989100



1.1 Room temperature control

Room thermostats 40

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Quickly installed.
Quickly adjusted.

Install, connect and feel good in no time at all.

For your customers, our **ClimaCon F room thermostats** with their ***pioneering independent design*** are not only real eye-catchers. ***They can also adjust their comfort temperature in no time at all.*** And you? Enjoy the quick installation. Simply screw on the mounting plate – and you have both hands free for connecting.

Discover our system solutions at
climacon.oventrop.com

ClimaCon F Room thermostats for surface heating



2022 2022 2023 2023

2023 2023

The ClimaCon F room thermostats are used to control the temperature of surface heating and cooling systems as well as heating and cooling ceilings. Depending on the room thermostat, switching between heating and cooling is possible.

The simple surface-mounted installation and quick configuration make the product very installer-friendly.
Depending on the model, there are room thermostats with reduced display, with integrated time switch and setting options via app.



ClimaCon F 100 for two pipe applications, heating or cooling, follower

	On/off / PWM	Operation	At the room thermostat
Installation	Surface mounting	Switching h / c*	Via change-over
Setback*	Via leader room thermostat		

Voltage	Sensors*	Suitable for	Item No.
230 V AC	No	Thermal actuators (on/off), “normally closed”	1155010
24 V AC	No	Thermal actuators (on/off), “normally closed”	1155510



ClimaCon F 310 for two pipe applications, heating or cooling, leader

Switching between time programme and manual mode possible.

	On/off / PWM	Switching h / c*	Via change-over
Installation	Surface mounting	Other outputs	1 x potential-free
Setback*	Via time programme (adjustable in the app) Via Eco button at the room thermostat	Communication	Bluetooth
Operation	At the room thermostat With smartphone app		

Voltage	0 - 10 V*	Sensors*	Suitable for	Item No.
230 V AC	No	No	Thermal actuators (on/off), “normally closed”	1155031
24 V AC	Yes	Ext. temperature sensor, NTC 10 K	Thermal actuators (on/off), “normally closed” Thermal actuators (0 - 10 V) “normally closed”	1155531

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling
0 - 10 V = 0 - 10 V output



ClimaCon F 90 for two-pipe applications, heating only/cooling only, follower

	On/off	Setback*	Via leader room thermostat
Installation	Surface mounting	Operation	At the room thermostat

Voltage	Sensors*	Suitable for	Item No.
230 V AC	No	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009

Setback = Temperature setback
Sensors = Sensors can be connected

	ClimaCon F 90	ClimaCon F 100		ClimaCon F 310	
					
	230V	**230V**	**24V**	**230V**	**24V**
Item no.	1155009	1155010	1155510	1155031	1155531
Application					
Heating only / Cooling only	●	—	—	—	—
Heating or cooling (switchable)	—	●	●	●	●
Heating and cooling	—	—	—	—	—
Display					
Setpoint temperature	●	●	●	●	●
Actual temperature	—	—	—	●	●
Status (heating / cooling)	—	—	—	●	●
Modus (Auto / Eco)	—	—	—	●	●
Setting options					
Temperature setting at the room thermostat	●	●	●	●	●
Temperature setting via time profiles in the app	—	—	—	●	●
Setback activation at the room thermostat	—	—	—	●	●
Timed setback via app	○	○	○	●	●
Setback temperature	4 K	4 K	4 K	flexible via app	flexible via app
Temperature limitation via app	—	—	—	●	●
External limiter function – automatic switch-off when the temperature set via the app is reached	—	—	—	—	●
Limit voltage 0-10 V adjustable	—	—	—	—	—

○ Leader function – only possible if leader room thermostats (ClimaCon F 310) are used

ClimaCon F - Accessories

ClimaCon F 310 Temperature sensor



Description	Item No.
For connection to item no. 1155531 for detecting the temperature in the room or as an external temperature sensor for detecting the surface temperature as a safety temperature limiter. With 3 m connecting cable, NTC 10 K	1155599

Room thermostats heating, flush mounting



The flush-mounted electric room thermostat is required in conjunction with the Aktor T 2P thermal actuators (on/off) for individual room temperature control.

Heating: Use thermal actuators (on/off) "normally closed". Temperature setback possible via external time switch.

Cooling: Use thermal acutators (on/off) "normally open".

Temperature range between 5 and 30 °C. Setpoint range can be limited by concealed locking clips.



Room thermostat for two-pipe applications, flush mounting

Setpoint range can be limited by concealed locking clips.

On/off	Setback*	Via external time switch (follower function)

Voltage	Suitable for	Item No.
230 V AC	Thermal actuators "normally closed" (heating) Thermal actuators "normally open" (cooling)	1152071

Setback = Temperature setback

Room thermostats heating/cooling



The electronic surface-mounted room thermostat is used in conjunction with motorised or thermal actuators for individual room temperature control in heating and cooling systems. It can also be used in three- or four-pipe systems and has an adjustable neutral zone between heating and cooling stage. The temperature is set at the room thermostat.



Room thermostat for four pipe applications, surface mounting

Neutral zone Adjustable between 0.5 K and 7.5 K

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V (2x)	Thermal actuators (0 - 10 V) “normally closed”	1152151

Room thermostats heating/cooling with fan control



Room thermostats for electrical control of fan coil units for demand-oriented heating and cooling. Depending on the room thermostat, fan coil units in two- or four-pipe systems can be controlled.
The temperature as well as the fan speed can be set at the room thermostat. Furthermore, various operating modes can be set.



Room thermostat for two pipe applications, heating only/cooling only, 230 V

Setback*	Via adjustable time programme	Installation	Flush mounting

Voltage		Suitable for	Item No.
230 V AC	On/off	Actuators “nomally closed” (heating) Actuators “normally open” (cooling)	1152453



Room thermostat for two-pipe applications, heating only/cooling only, 24 V

Installation	Surface mounting	Other outputs	On/off auxiliary heating

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V	Actuators “normally closed”	1152064



Room thermostat for four pipe applications, heating and cooling, 24 V

Installation	Surface mounting	Other outputs	On/off auxiliary heating

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V (2x)	Actuators “normally closed”	1152065

Setback = Temperature setback

Room thermostats - Accessories



Electrical connecting block for surface heating

When using item no. 1400980 / 82 with 24 V, an external power supply of 24 V must be available. Item no. 1153053 can be used as transformer.

Description	Item No.
6 control zones, heating, 24 V / 230 V	1400980
10 control zones, heating / cooling (change-over), pump control, 230 V	1400981
10 control zones, heating / cooling (change-over), pump control, 24 V	1400982
10 control zones, heating / cooling (change-over), pump and boiler control and integrated time switch, 230 V	1400983



FloorCon Electrical connecting block with automatic hydronic balancing for surface heating and cooling

Description	Item No.
FloorCon F 200, without channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400984
FloorCon F 300, with channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400985



Temperature sensor for FloorCon

Replacement temperature sensor, item no. 1029094 can be used as replacement flow temperature sensor.

Description	Item No.
Return temperature sensor for FloorCon F, 850 mm	1029094 °
Return temperature sensor for FloorCon F, 2100 mm	1029095



Aktor T 2P on/off control (PWM)

Description	Item No.
On/off control, “normally closed”, 230 V, 2 m cable	1012452

° Production will be discontinued

Sensor LW TH Safety temperature monitor with concealed temperature setting



Description	Item No.
For maximum limitation of the flow temperature in surface heating systems, control range 20 °C - 90 °C	1143000

Safety temperature limiter



Description	Item No.
For max. limitation of the heating circuit temperature, 20 °C - 90 °C	1344583

Sensor GA FD Dew point monitor

Is required in conjunction with room thermostats to protect against condensation on cooling surfaces.



Description	Item No.
For heating/cooling applications to prevent condensation, 24 V, with change-over contact	1141951
for 230 V connecting blocks and 230 V applications (Regufloor HW 24)	1141952 ⁘

⁘ New in the catalogue 2026

wibutler Smart Home system



The Smart Home sector includes the networking of several trades within individual dwellings or detached houses. By means of a gateway, various components can be integrated into the Smart Home system and controlled via smartphone, tablet or PC. By connecting the gateway to a commercially available router, remote access is easily possible while on the move.

The intelligent wibutler pro 2 gateway is the heart of the smart home. In addition to surface heating and radiators, other systems such as lighting and shading can also be integrated.

OVbalance Home Basic set - radiator with wibutler pro 2



Scope of delivery	Item No.
1 x wibutler pro 2 item no. 1150791 1 x R-Tronic RT B wireless thermostat item no. 1150780 1 x mote 420 wireless actuator item no. 1150766	1150792

wibutler



wibutler pro 2 gateway (EnOcean, Zigbee, LAN, WLAN)

The lighting, shading, heating and sanitary, air conditioning, ventilation and security systems can be interconnected with the help of the wibutler gateway.

Operation	With smartphone app With tablet app Via computer Amazon Alexa Google home
System requirements terminals	Apple: at least iOS 9 Android: at least Android 5

Voltage	Item No.
100 - 230 V AC	1150791

R-Tronic Wireless thermostat (EnOcean)



wibutler

Designation	RT B (EnOcean)
Humidity sensor*	No
Installation	Surface mounting
Communication	EnOcean
EEP*	A5-10-02 A5-10-03 A5-10-04 A5-10-06 A5-10-06 + RPS
Power supply	Battery-operated
Compatible with wibutler	Yes

Item No.
1150780

mote 420 Wireless actuator (EnOcean)

Only functions in combination with communication centres / gateways (e.g. with the wibutler gateway) and room thermostats supporting this EnOcean Equipment Profile.



wibutler

Communication	EnOcean
Power supply	Battery-operated
Battery lifespan	About 2 years

Valve connection	EEP*	Item No.
Connection thread M 30 x 1.5	A5-20-01	1150766

Humidity sensor = Integrated humidity sensor
EEP = EnOcean Equipment Profile

R-Tronic System for individual room temperature control



The R-Tronic wireless thermostats with closed radio communication (proprietary) are used in stand-alone operation in connection with wireless actuators to control radiators or in connection with a multi-channel wireless receiver to control surface heating systems.

The temperature setting as well as the storage of time programmes is carried out at the wireless thermostat. Depending on the model, an additional measurement of the relative humidity in % is possible.

Power is supplied by batteries or a power supply unit (100 - 240 V). For the battery-operated models, power supply via the mains is possible as an alternative.

In battery operation, up to 3 participants can be taught in, in mains operation, up to 8 participants can be taught in. In mains operation it is also possible to teach in window contacts.



R-Tronic Wireless thermostat (proprietary radio communication)

Designation	RT B	Communication	Proprietary radio
Humidity sensor*	No	Power supply	Battery-operated
Installation	Surface mounting		

Item No.
1150680



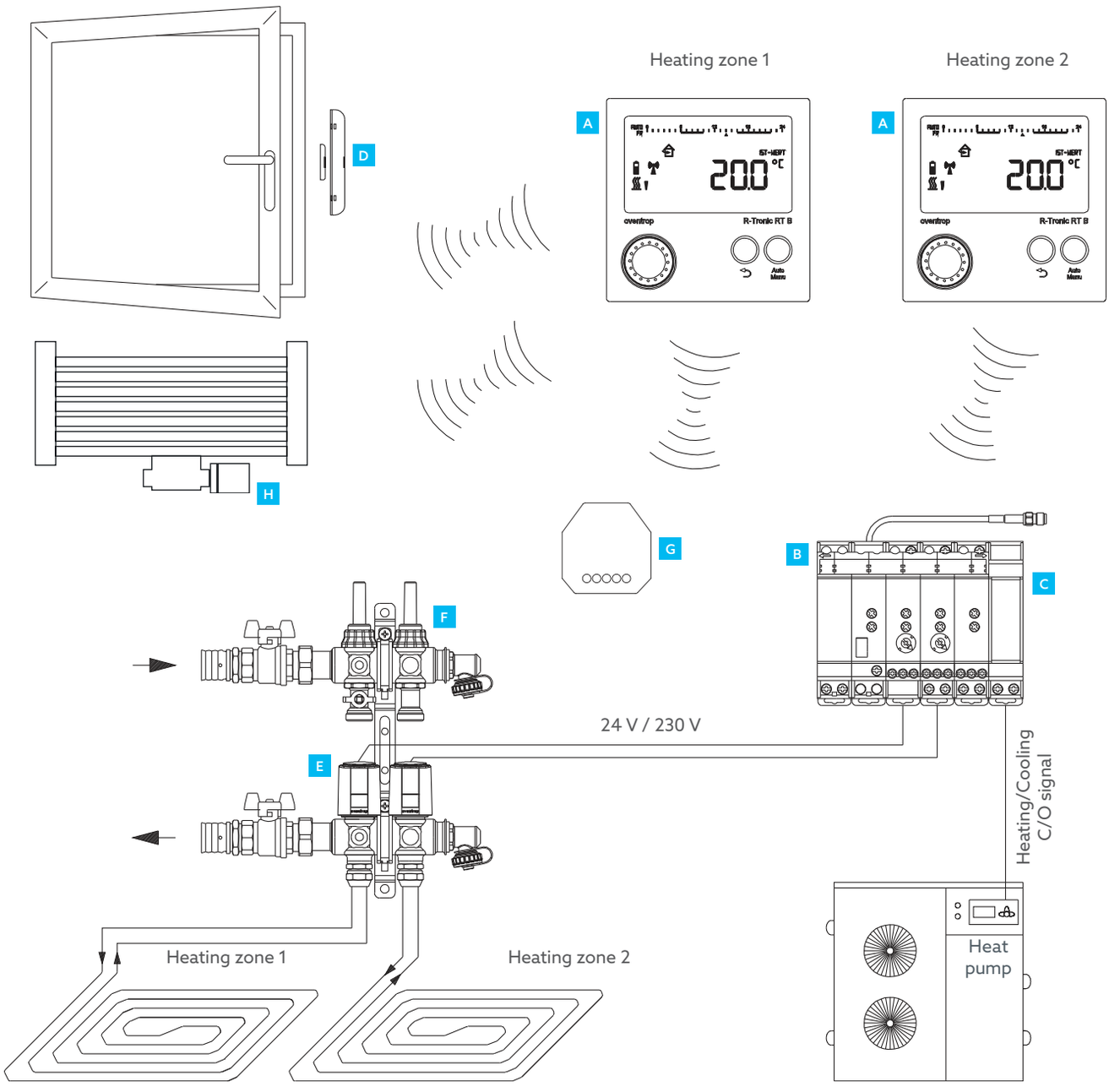
mote 320 Wireless actuator (proprietary radio communication)

Only in conjunction with R-Tronic wireless thermostats (proprietary radio communication).

Power supply	Battery-operated	Communication	Proprietary radio
Battery lifespan	About 2 years	Valve connection	Connection thread M 30 x 1.5

Item No.
1150665

Humidity sensor = Integrated humidity sensor



A	**R-Tronic RT B / R-Tronic RTF B** Wireless thermostat	1150680
B	**R-Con** Wireless receiver	1150770-73
C	**R-Con HC** Extension module heating / cooling	1150774
D	**FK-C F** Wireless window contact	1153071

E	**Aktor T 2P** Thermal actuator on/off control	1012415/16
F	**Multidis SF** Heating circuit manifold	1406552-62 1404952-62
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H	**mote 320** Wireless actuator	1150665



1.1 Room temperature control

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Aktor T Thermal actuators



Thermal actuators are used for heating, ventilation and air conditioning. The actuators can be used for room temperature control or as zone valves.
They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds, radiant heating ceilings, cooling ceilings and induction units in conjunction with on/off room thermostats.

All thermal actuators are protected against overvoltage, a varistor is not required.

Oventrop offers actuators in the variants "normally closed" and "normally open". The model with auxiliary switch can switch e.g. a pump directly via the integrated, potential-free contact.



Aktor T 2P on/off control (PWM)

Valve connection	Connection thread M 30 x 1.5	Stroke	5 mm
Installation position	Position-independent		
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Cable* (m)	Item No.
230 V AC	normally closed	1.00	1012415
230 V AC	"Normally open"	1.00	1012425
230 V AC	"Normally closed" with integrated auxiliary switch	1.00	1012435
230 V AC	normally closed	2.00	1012452
230 V AC	normally closed	5.00	1012455
230 V AC	normally closed	10.00	1012459
24 V AC / DC	"Normally open"	1.00	1012426
24 V AC / DC	normally closed	2.00	1012442



Aktor T ST 0 - 10 V control

Valve connection	Connection thread M 30 x 1.5	Stroke	5 mm
Installation position	Position-independent		
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Cable* (m)	Item No.
24 V AC	normally closed	1.00	1012953

Cable = Cable length

Aktor T - Accessories

Valve adapter



Description	Item No.
Connection thread M 30 x 1.5	1012461
Connection thread M 30 x 1.5, high model (11 mm), necessary when using the actuators item no. 10124.. and 1012953 with Hycocon ETZ/HTZ or Multiblock T/TU/TFU/TQ and the design cover	1012462
For valves with squeeze connection	1012463
For Oventrop valves with connection thread M 30 x 1.0 (manufactured until 1998)	1012890

Reinforcing cap



Description	Item No.
For thermal actuators, including special valve adapter with connection thread M 30 x 1.5 for installation	1012450

Aktor M Motorised actuators



Motorised actuators are used for heating, ventilation and air conditioning. Amongst others, the actuators can be used for room temperature control. They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds (except for item no. 1012710 / 11), radiant heating ceilings, cooling ceilings and induction units.

Oventrop offers motorised actuators with and without communication interfaces.



Aktor M modulating with 0 - 10 V

With the electrical emergency control function, the actuator moves to a predefined stroke position in the event of a supply voltage failure. Various characteristic lines can be set for Cocon QTZ (item no. 1012717, PN 25 only).

Modulating proportional actuator	Yes	Stroke	4 mm
Automatic valve blocking protection function	Yes	Cable*	1.50 m
Direction of action adjustable	Yes	Zero point detection	Yes

Voltage	Electrical emergency control function	Additional on/off / floating control	Position feedback	Item No.
24 V AC / DC	Yes	No	Yes	1012717
24 V AC / DC	No	Yes	No	1012725
24 V AC / DC	No	No	Yes	1012726



Aktor M on/off and floating control

Automatic valve blocking protection function	No	Cable*	1.50 m
Direction of action adjustable	No	Zero point detection	Yes
Stroke	4 mm		

Voltage	Item No.
230 V AC	1012729



Aktor M on/off control, with short running time (3 s), connection thread M 30 x 1.5

Automatic valve blocking protection function	No	Contact open - drive tappet retracts	Yes
Stroke	6.5 mm	Cable*	1.50 m

Voltage	Item No.
230 V AC	1012710
24 V AC / DC	1012711

Cable = Cable length



Aktor M with KNX interface

Power consumption extremely low, no external power supply necessary. With integrated binary input (e.g. for window contact, dew point sensor, motion detector).

Stroke	4 mm

Voltage	Item No.
21 - 32 V DC (from KNX bus)	1012746



Aktor M with Modbus RTU interface

Various parameters can be configured and/or read out via Modbus RTU (e.g. volume flow, valve characteristic line, sensor type, operating hours, operating and fault messages). Two universal inputs/outputs enable the connection of temperature sensors, window contacts and humidity sensors, as well as the control of 0 - 10 V rotary actuators.

Automatic valve blocking protection function	Yes	Cable*	1.50 m
Position feedback	0 - 100 %	Zero point detection	Yes

Voltage	Suitable for	Stroke *(mm)*	Item No.
24 V AC / DC	Cocon QTZ	9	1012745
24 V AC / DC	Cocon QTR/QFC DN 40/50	14	1158014

Cable = Cable length

Actuators with radio interface



Electronic battery-operated actuators for room temperature control at the radiator with communication interface:

The mote 420 wireless actuator can be used in combination with R-Tronic wireless thermostats (EnOcean) or be integrated into Smart Home systems (e.g. wibutler). The actuator is configured in the Smart Home system via app.

The mote 320 wireless actuator can be used in combination with R-Tronic wireless thermostats (proprietary radio communication). The actuator is configured at the R-Tronic wireless thermostat.



mote 420 Wireless actuator (EnOcean)

Only functions in combination with communication centres / gateways (e.g. with the wibutler gateway) and room thermostats supporting this EnOcean Equipment Profile.

Communication	EnOcean	Battery lifespan	About 2 years
Power supply	Battery-operated		

Valve connection	EEP*	Item No.
Connection thread M 30 x 1.5	A5-20-01	1150766



mote 320 Wireless actuator (proprietary radio communication)

Only in conjunction with R-Tronic wireless thermostats (proprietary radio communication).

Communication	Proprietary radio	Battery lifespan	About 2 years
Power supply	Battery-operated		

Valve connection	Item No.
Connection thread M 30 x 1.5	1150665

EEP = EnOcean Equipment Profile

1.1 Room temperature control

termios Pro system **61**

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termios Pro Thermostat



termios Pro is a system solution for the energy-efficient operation of heating systems equipped with radiators. It offers energy savings through a self-learning, optimised heating behaviour that is individually adapted to the user, as well as automatic hydronic balancing. The termios Pro system constists of a combination of thermostats, gateways and the cloud. The energy-self-sufficient thermostats and the gateways, which are securely mounted using a protective box, communicate via LoRaWAN. The connection to the cloud system is established via mobile radio.
A corresponding subscription for cloud usage is required to operate the termios Pro system, see chapter termios Pro services (item no. 9904060).

termios Pro Thermostat



Body material	Aluminium
Colour	White
Control element	Electric motor
Setting range	7 up to 28 °C
Limitation	Via cloud
Zero position	No
Frost protection	Yes
Battery type	Lithium
Energy supply	Thermal harvesting (without battery replacement)
Adaptive hydronic balancing	Yes

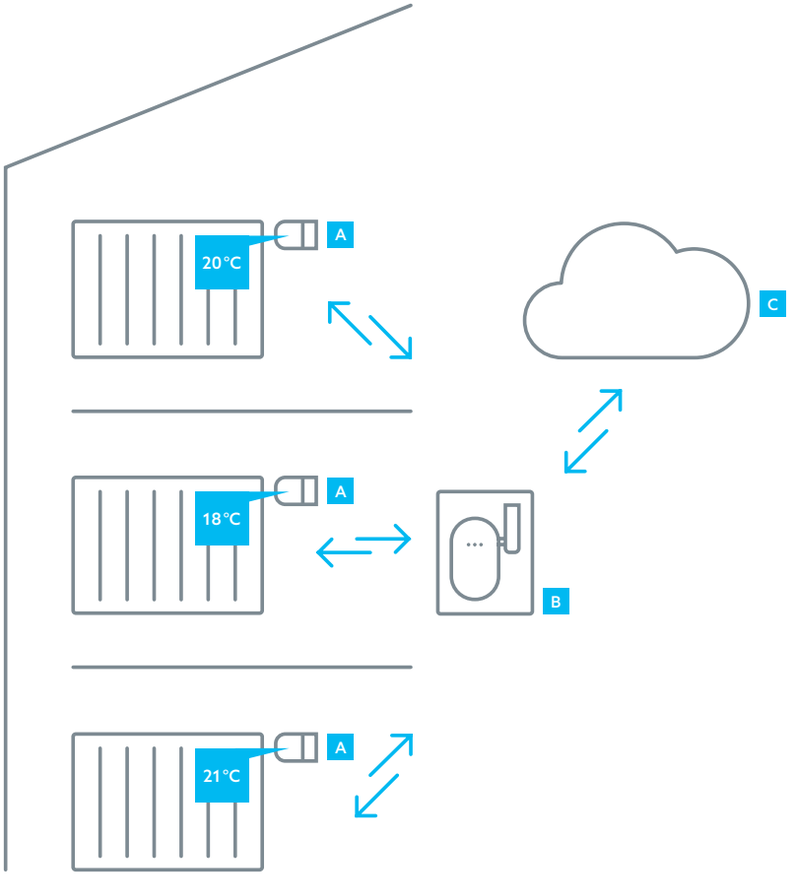
Description	Item No.
termios Pro thermostat for M 30 x 1.5	1154060
termios Pro thermostat without connection set	1154061
termios Pro thermostat for M 30 x 1.0	1154062
termios Pro thermostat for M 32 x 1.0 Ista	1154063
termios Pro thermostat for Danfoss RA	1154064
termios Pro thermostat for Danfoss RAV	1154065
termios Pro thermostat for Danfoss RA/VL	1154066
termios Pro thermostat for M 28 x 1.0	1154067
termios Pro thermostat for Vaillant squeeze connection	1154068

termios Pro connection set



Description	Item No.
termios Pro connection set M 30 x 1.5	1154070
termios Pro connection set M 30 x 1.0	1154071
termio Pro connection set M 32 x 1.0 Ista	1154072
termios Pro connection set for Danfoss RA	1154073
termios Pro connection set for Danfoss RAV	1154074
termios Pro connection set Danfoss RA/VL	1154075
termios Pro connection set M 28 x 1.0 Herz	1154076
termios Pro connection set for Vaillant squeeze connection	1154077

New in the catalogue 2026



Installation example termios Pro system

A	**termios Pro thermostat**	115406.
B	**termios Pro gateway**	1154090
C	**Cloud** A paid subscription is required to use the cloud.	9904060

termios Pro Gateway



termios Pro is a system solution for the energy-efficient operation of heating systems equipped with radiators. It offers energy savings through a self-learning, optimised heating behaviour that is individually adapted to the user, as well as automatic hydronic balancing. The termios Pro system constists of a combination of thermostats, gateways and the cloud. The energy-self-sufficient thermostats and the gateways, which are securely mounted using a protective box, communicate via LoRaWAN. The connection to the cloud system is established via mobile radio.
A corresponding subscription for cloud usage is required to operate the termios Pro system.

termios Pro gateway

For connecting the termios Pro thermostats to the OV+ Cloud.



Item No.
1154090 ⁘

termios Pro protective box

For the termios Pro gateway.



Item No.
1154091 ⁘

⁘ New in the catalogue 2026

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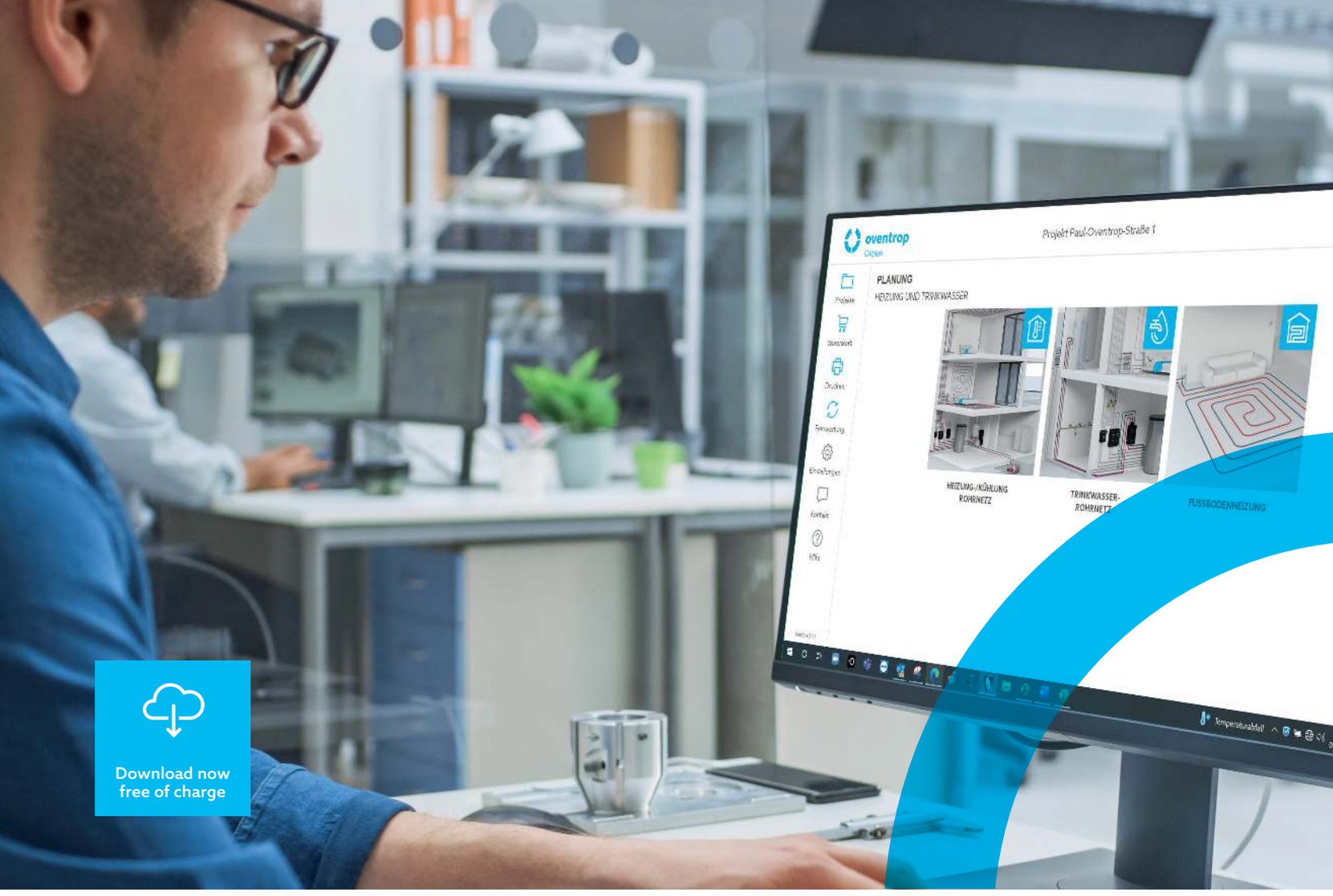
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AQ Pressure independent thermostatic valves



For automatic hydronic balancing at the radiator in central heating and cooling systems with closed circuits. Installation in the supply pipe. The Q-Tech valves are ideal for retrofitting and refurbishment of existing heating systems, as complex calculations of preset values are not necessary. The volume flow is kept constant even if the differential pressure in the system fluctuates. The flow range can be variably adjusted between 10 and 170 l/h. A corresponding presetting key is included. The AQ thermostatic valves are available in angle, straight, reversed angle and double angle versions. The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.

Body material	Brass
Flow range	10 up to 170 l/h
Thermostat thread	M 30 x 1.5
Q-Tech*	Yes
Presetting	Yes
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Colour protection cap	Grey
Two pipe*	Yes
One pipe*	No



AQ Angle

Nominal size	Radiator connection	Pipe connection	Item No.
DN 10	R ⅜	Rp ⅜	1182063
DN 15	R ½	Rp ½	1182064
DN 20	R ¾	Rp ¾	1182066
DN 25	R 1	Rp 1	1182068



AQ Angle (self-sealing)

Nominal size	Radiator connection	Pipe connection	Item No.
DN 15	R ½	Rp ½	1182084



AQ Straight

Nominal size	Radiator connection	Pipe connection	Item No.
DN 10	R ⅜	Rp ⅜	1182163
DN 15	R ½	Rp ½	1182164
DN 20	R ¾	Rp ¾	1182166
DN 25	R 1	Rp 1	1182168

Q-Tech = Suitable for automatic hydronic balancing
Two pipe = Suitable for two pipe system
One pipe = Suitable for one pipe system

AQ Straight (self-sealing)



Nominal size	Radiator connection	Pipe connection	Item No.
DN 15	R ½	Rp ½	1182184

AQ Double angle left



Nominal size	Radiator connection	Pipe connection	Item No.
DN 10	R ⅜	Rp ⅜	1182360
DN 15	R ½	Rp ½	1182362

AQ Double angle right



Nominal size	Radiator connection	Pipe connection	Item No.
DN 10	R ⅜	Rp ⅜	1182361
DN 15	R ½	Rp ½	1182363

AQ Reversed angle



Nominal size	Radiator connection	Pipe connection	Item No.
DN 10	R ⅜	Rp ⅜	1182263
DN 15	R ½	Rp ½	1182264
DN 20	R ¾	Rp ¾	1182266

Q-Tech = Suitable for automatic hydronic balancing
Two pipe = Suitable for two pipe system
One pipe = Suitable for one pipe system



Sets with AQ thermostatic valve

Operating temperature 2 to 110 °C

Consisting of	Type	Nominal size	Colour	Item No.
Combi 2 Radiator lockshield valve Combi 2 Radiator lockshield valve Uni LH Thermostat	Angle	DN 10	White	1703063
Combi 2 Radiator lockshield valve Combi 2 Radiator lockshield valve Uni LH Thermostat	Angle	DN 15	White	1703064
Combi 2 Radiator lockshield valve Combi 2 Radiator lockshield valve Uni LH Thermostat	Straight	DN 10	White	1703163
Combi 2 Radiator lockshield valve Combi 2 Radiator lockshield valve Uni LH Thermostat	Straight	DN 15	White	1703164

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Q-Tech = Suitable for automatic hydronic balancing
Two pipe = Suitable for two pipe system
One pipe = Suitable for one pipe system

AQH Pressure independent thermostatic valves for high flow rates



For automatic hydronic balancing in heating and cooling systems with closed circuits. Installation in the supply pipe. The Q-Tech valves with **high flow rate (AQH)** are ideal for new construction, refurbishment and retrofitting in combination with radiant ceiling panels, fan coils, radiators and other consumers. Complex pipework calculations are not necessary. The volume flow is kept constant even if the differential pressure in the system fluctuates. The **flow range** can be variably adjusted between **35 and 420 l/h**. A corresponding presetting key is included.
The AQH thermostatic valves DN 15 are available in angle, straight and reversed angle versions.
The body of the valve is made of brass and the surface is nickel-plated. The stem is made of stainless steel.

Body material	Brass
Flow range	35 up to 420 l/h
Thermostat thread	M 30 x 1.5
Q-Tech*	Yes
Presetting	Yes
Medium	Water Water-glycol mixture

Max. operating pressure	10 bar
Colour protection cap	Grey
One pipe*	No
Two pipe*	Yes

AQH Straight



Nominal size	Radiator connection	Pipe connection	Item No.
DN 15	R ½	Rp ½	1182194

AQH Angle



Nominal size	Radiator connection	Pipe connection	Item No.
DN 15	R ½	Rp ½	1182094

AQH Reversed angle



Nominal size	Radiator connection	Pipe connection	Item No.
DN 15	R ½	Rp ½	1182294

Q-Tech = Suitable for automatic hydronic balancing
One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

EQ Pressure independent design thermostatic valves



For automatic hydronic balancing at the radiator in central heating and cooling systems with closed circuits. Installation in the supply pipe. The Q-Tech valves are ideal for retrofitting and refurbishment of existing heating systems, as complex calculations of preset values are not necessary. The volume flow is kept constant even if the differential pressure in the system fluctuates. The flow range can be variably adjusted between 10 and 170 l/h. A corresponding presetting key is included.
The EQ thermostatic valves are available in angle and straight versions.
The design of the exclusive radiator fittings combines extraordinary shape with outstanding function, especially for modern radiators and bathroom radiators. The body of the valve is made of brass and the surface is chrome-plated or white powder-coated. The spindle is made of stainless steel.

Body material	Brass
Flow range	10 up to 170 l/h
Thermostat thread	M 30 x 1.5
Q-Tech*	Yes
Presetting	Yes
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Colour protection cap	Grey
One pipe*	No
Two pipe*	Yes



EQ Angle

Nominal size	DN 15

Surface	Operating temperature	Radiator connection	Pipe connection	Item No.
Chrome-plated	2 to 110 °C	R ½	Rp ½	1163552
White powder-coated	2 to 90 °C	R ½	Rp ½	1163562



EQ Straight

Nominal size	DN 15

Surface	Operating temperature	Radiator connection	Pipe connection	Item No.
Chrome-plated	2 to 110 °C	R ½	Rp ½	1163652
White powder-coated	2 to 90 °C	R ½	Rp ½	1163662

Q-Tech = Suitable for automatic hydronic balancing
One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Multiblock TQ Connection fittings with thermostatic valve



The Multiblock TQ connection fitting is a combination consisting of a thermostatic valve and a connection fitting at the radiator. The special QA valve insert makes the fitting suitable for automatic hydronic balancing at the radiator in central heating and cooling systems with closed circuits. The fitting is soft sealing to the radiator. The connection fitting is suitable for connection to radiators with G ½ internal thread.

The following functions are available: Infinitely adjustable presetting for automatic hydronic balancing, shutoff as well as draining and filling. The Multiblock TQ connection fitting is available in straight and angle versions and is made of nickel-plated brass, the centre distance is 50 mm. Design covers are available in various colours and surfaces (see chapter "Q-Tech Accessories and spare parts").

Body material	Brass
Surface	Nickel-plated
Q-Tech	Yes
Presetting	Yes
Flow range	10 up to 170 l/h
Distance between pipe centres	50 mm
Shutoff	Yes
Filling and draining	Yes

Max. operating pressure	10 bar
Operating temperature	2 to 110 °C
One pipe*	No
Two pipe*	Yes
Medium	Water Water-glycol mixture
Thermostat thread	M 30 x 1.5

Multiblock TQ Angle



Thermostat connection right	No

Radiator connection	Pipe connection	Thermostat connection	Item No.
G ½ external	G ¾ Eurocone	Left hand side	1184074

Multiblock TQ Straight



Thermostat connection right	Yes

Radiator connection	Pipe connection	Thermostat connection	Item No.
G ½ external	G ¾ Eurocone	Left or right hand side	1184073

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Multiblock TQ-RTL Connection fitting with thermostatic valve and return temperature limiter



The Multiblock TQ-RTL connection fitting is designed for the combined use of radiators and surface tempering in two pipe systems. The fitting includes a QA valve insert for automatic hydronic balancing and an RTL controller for return temperature limitation. The room temperature and return temperature are controlled separately. The fitting is soft sealing to the radiator. The connection fitting is suitable for connection to radiators with G ½ internal thread.

The following functions are available: Infinitely adjustable presetting for automatic hydronic balancing, shutoff and return temperature limitation for surface tempering. The connection fitting Multiblock TQ-RTL is available in angle version and is made of nickel-plated brass. A mounting aid is included in the scope of delivery. Design covers are available in white and chrome-plated (see chapter "Q-Tech Accessories and spare parts").

Q-Tech	Yes
Presetting	Yes
Surface heating/cooling*	Yes
Distance between pipe centres	50 mm
Body material	Brass
Shutoff	Yes
Max. operating pressure	10 bar
Operating temperature	2 to 70 °C
One pipe*	No
Two pipe*	Yes
Surface	Nickel-plated
Medium	Water Water-glycol mixture
Thermostat thread	M 30 x 1.5
Thermostat connection	Left hand side
Filling and draining	No
Return temperature*	Yes

Multiblock TQ-RTL Angle



Radiator connection	Pipe connection	Item No.
G ½ external	G ¾ Eurocone	1184076

Surface heating/cooling = Can be combined with surface tempering
One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system
Return temperature = Return temperature limiter

Multiflex FQ Connection fittings with flow limitation



The Multiflex FQ connection fittings are designed for the connection of radiators with integrated valve set. The special QA valve insert makes the fitting suitable for automatic hydronic balancing at the radiator in central heating and cooling systems with closed circuits.

The fitting is soft sealing to the radiator. Depending on the version, the connection to the radiator is either with G ¾ union nut and insert to radiators with G ¾ external thread (Eurocone) or with G ¾ union nut and screw-in connection piece to radiators with G ½ internal thread.

The following functions are available: Shutoff, draining, filling and presetting. The Multiflex connection fitting is available in straight and angle versions and is made of nickel-plated brass, the centre distance is 50 mm.

Presetting	Yes
Q-Tech	Yes
Body material	Brass
Distance between pipe centres	50 mm
Max. operating pressure	10 bar
Operating temperature	2 to 110 °C
Flow range	10 up to 170 l/h

Shutoff	Yes
One pipe*	No
Two pipe*	Yes
Surface	Nickel-plated
Medium	Water Water-glycol mixture
Filling and draining	No

Multiflex FQ Straight



Radiator connection	Pipe connection	Item No.
G ¾ union nut	G ¾ Eurocone	1015803
G ½ external	G ¾ Eurocone	1015873

Multiflex FQ Angle



Radiator connection	Pipe connection	Connection	Item No.
G ¾ union nut	G ¾ Eurocone	Left hand side	1015804
G ¾ union nut	G ¾ Eurocone	Right hand side	1015805
G ½ external	G ¾ Eurocone	Left hand side	1015874
G ½ external	G ¾ Eurocone	Right hand side	1015875

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Q-Tech - Accessories and spare parts

Design cover for Multiblock T/TU/TQ, angle version



Description	Item No.
Matt black	1184082 ⁘
Anthracite	1184089
Stainless steel design	1184091
White	1184096
Chrome-plated	1184098

Design cover for Multiblock T/TU/TQ, straight version



Description	Item No.
Matt black	1184081 ⁘
Anthracite	1184088
Stainless steel design	1184090
White	1184095
Chrome-plated	1184097

Design cover for Multiblock T-RTL/TQ-RTL



Description	Item No.
Chrome-plated	1184077
White	1184087

Covering rosette



Description	Item No.
For Multiblock T-RTL and TQ-RTL, white	1189087

⁘ New in the catalogue 2026

Demo-Bloc Special tool



Description	Item No.
Including coupling set for thermostatic valves M 30 x 1.5 and AQ/AQH thermostatic valves	1188051

Coupling set



Description	Item No.
For Demo-Bloc, for valves with connection thread M 30 x 1.0	1188089
For Demo-Bloc, for valves with connection thread M 30 x 1.5	1188091
For Demo-Bloc, for valves with AQ/AQH technique	1188094
For Demo-Bloc, for replacing the HRV and Combi LR inserts	1188095

Differential pressure measuring spindle



Description	Item No.
Spindle for differential pressure measurement at the thermostatic valve	1188093

Screen insert



Description	Item No.
For AQ and AQH thermostatic valves, set = 10 pieces	1187090

Commissioning block



Description	Item No.
For Multiblock T-RTL and TQ-RTL	1184094

Mounting aid



Description	Item No.
For Multiblock T-RTL and TQ-RTL	1189094



Presetting key

Description	Item No.
For AQ, RFQ and EQ thermostatic valves, Multiblock TQ, TQ-RTL, Multiflex FQ, Unibox TQ, TQ vario, Multidis SFQ and GHQ valve insert	1651182



Replacement valve insert AQ/AQH

Description	Item No.
For AQ, RFQ and EQ thermostatic valves, Multiblock TQ and TQ-RTL, Multiflex FQ as well as Unibox TQ and TQ vario, 10 - 170 l/h, M 30 x 1.5	1187065
For AQH thermostatic valves, 35 - 420 l/h, M 30 x 1.5	1187095



Replacement screw-in connection piece

Description	Item No.
For Multiflex F, FQ, Multiblock T, TU, TFU, TQ, T-RTL and TQ-RTL, G ½ self-sealing external thread x G ¾ flat sealing external thread, brass, unplated, set = 10 pieces	1028252

1.2 Hydronic balancing at the radiator

Thermostatic radiator valves 80

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AV 9 Presettable thermostatic valves



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated AV 9 valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The AV 9 thermostatic valves are available in angle, straight, reversed angle and double angle versions.
The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.

Body material	Brass
Surface	Nickel-plated
Presetting	Yes
Thermostat thread	M 30 x 1.5
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Colour protection cap	White
One pipe*	No
Two pipe*	Yes

AV 9 Angle



Nominal size	Kvs	Pipe connection	Radiator connection	Certification	Item No.
DN 10	1.10	Rp ⅜	R ⅜	Keymark	1183703
DN 15	1.20	Rp ½	R ½	Keymark	1183704
DN 20	1.30	Rp ¾	R ¾	Keymark	1183706
DN 25	1.30	Rp 1	R 1		1183708
DN 15	1.20	G ¾ external	R ½		1183747

AV 9 Angle (self-sealing)



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.20	Rp ½	R ½	1183784

AV 9 Straight



Nominal size	Kvs	Pipe connection	Radiator connection	Certification	Item No.
DN 10	0.90	Rp ⅜	R ⅜	Keymark	1183803
DN 15	1.00	Rp ½	R ½	Keymark	1183804
DN 20	1.20	Rp ¾	R ¾	Keymark	1183806
DN 25	1.20	Rp 1	R 1		1183808
DN 15	1.00	G ¾ external	R ½		1183847

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

AV 9 Straight (self-sealing)



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	Rp ½	R ½	1183884

AV 9 Double angle left



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	G ¾ external	R ½	1183446
DN 10	0.90	Rp ⅜	R ⅜	1183470
DN 15	1.00	Rp ½	R ½	1183472

AV 9 Double angle right



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	G ¾ external	R ½	1183447
DN 10	0.90	Rp ⅜	R ⅜	1183471
DN 15	1.00	Rp ½	R ½	1183473

AV 9 Reversed angle



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.90	Rp ⅜	R ⅜	1183903
DN 15	1.00	Rp ½	R ½	1183904
DN 20	1.20	Rp ¾	R ¾	1183906
DN 15	1.00	G ¾ external	R ½	1183942

AV 9 Straight for the return



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.90	Rp ⅜	R ⅜	1183893
DN 15	1.00	Rp ½	R ½	1183894

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

AV 9 Reversed angle for the return



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.10	Rp ⅜	R ⅜	1183793
DN 15	1.20	Rp ½	R ½	1183794

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

RFV 9 Presettable thermostatic valves with reduced dimensions



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated AV 9 valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The RFV 9 thermostatic valves are available in angle and straight versions. The thermostatic valve RFV 9 with reduced dimensions has been specially designed for use in confined installation conditions.
The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.

Body material	Brass
Surface	Nickel-plated
Presetting	Yes
Thermostat thread	M 30 x 1.5
Medium	Water-glycol mixture Water
Max. operating pressure	10 bar

Operating temperature	2 to 120 °C
Colour protection cap	Green
One pipe*	No
Two pipe*	Yes
Compact design	Yes

RFV 9 Angle



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.10	Rp ⅜	R ⅜	1185003
DN 15	1.20	Rp ½	R ½	1185004
DN 20	1.30	Rp ¾	R ¾	1185006

RFV 9 Straight



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.90	Rp ⅜	R ⅜	1185103
DN 15	1.00	Rp ½	R ½	1185104
DN 20	1.20	Rp ¾	R ¾	1185106

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One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

CV 9 Presettable thermostatic valves with chrome-plated body



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated AV 9 valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The CV 9 thermostatic valves are available in angle, straight, and double angle versions.
The body of the valve is made of brass and the surface is chrome-plated. The spindle is made of stainless steel.

Body material	Brass
Surface	Chrome-plated
Presetting	Yes
Thermostat thread	M 30 x 1.5
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Colour protection cap	White
One pipe*	No
Two pipe*	Yes

CV 9 Angle



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.20	Rp ½	R ½	1162054 °

CV 9 Straight



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	Rp ½	R ½	1162154

CV 9 Double angle left



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	Rp ½	R ½	1162472

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

° Production will be discontinued

CV 9 Double angle right



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.00	Rp ½	R ½	1162473

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One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

ADV 9 Presettable thermostatic valves, self-closing in case of vandalism on the thermostat



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated ADV 9 valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The ADV 9 thermostatic valves are available in angle and straight versions.
The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.
The double function of these valves causes the valve to close automatically to 5% of the nominal flow rate if the thermostat is dismantled or destroyed (vandalism). This provides the frost protection function and prevents an uncontrolled rise in room temperature.

Body material	Brass
Surface	Nickel-plated
Presetting	Yes
Thermostat thread	M 30 x 1.5
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Colour protection cap	Cement grey
One pipe*	No
Two pipe*	Yes

ADV 9 Angle



Nominal size	Pipe connection	Radiator connection	Item No.
DN 10	Rp ⅜	R ⅜	1188363
DN 15	Rp ½	R ½	1188364
DN 20	Rp ¾	R ¾	1188366

ADV 9 Straight



Nominal size	Pipe connection	Radiator connection	Item No.
DN 10	Rp ⅜	R ⅜	1188463
DN 15	Rp ½	R ½	1188464
DN 20	Rp ¾	R ¾	1188466

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One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

E Presettable design thermostatic valves



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe. The integrated AV 9 valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The E thermostatic valves are available in angle, straight, reversed angle and double angle versions. The body of the fitting is made of brass and the surface is offered in different colours. The spindle is made of stainless steel. With their exclusive design, the valves fit in perfectly with modern living room design.

Body material	Brass
Thermostat thread	M 30 x 1.5
Presetting	Yes
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Colour protection cap	White
One pipe*	No
Two pipe*	Yes

E Angle



Nominal size	Surface	Kvs	Operating temperature	Pipe connection	Radiator connection	Item No.
DN 15	Anthracite	1.20	2 to 120 °C	Rp ½	R ½	1163032
DN 15	Chrome-plated	1.20	2 to 120 °C	Rp ½	R ½	1163052
DN 15	White powder-coated	1.20	2 to 90 °C	Rp ½	R ½	1163062
DN 15	Stainless steel design	1.20	2 to 90 °C	Rp ½	R ½	1163082

E Straight



Nominal size	Surface	Kvs	Operating temperature	Pipe connection	Radiator connection	Item No.
DN 15	Anthracite	1.00	2 to 120 °C	Rp ½	R ½	1163132
DN 15	Chrome-plated	1.00	2 to 120 °C	Rp ½	R ½	1163152
DN 15	White powder-coated	1.00	2 to 90 °C	Rp ½	R ½	1163162
DN 15	Stainless steel design	1.00	2 to 90 °C	Rp ½	R ½	1163182

E Double angle left



Nominal size	Surface	Kvs	Operating temperature	Pipe connection	Radiator connection	Item No.
DN 15	Anthracite	1.00	2 to 120 °C	Rp ½	R ½	1163432
DN 15	Chrome-plated	1.00	2 to 120 °C	Rp ½	R ½	1163452 °
DN 15	White powder-coated	1.00	2 to 90 °C	Rp ½	R ½	1163462
DN 15	Stainless steel design	1.00	2 to 90 °C	Rp ½	R ½	1163482

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

° Production will be discontinued

E Double angle right



Nominal size	Surface	Kvs	Operating temperature	Pipe connection	Radiator connection	Item No.
DN 15	Anthracite	1.00	2 to 120 °C	Rp ½	R ½	1163433
DN 15	Chrome-plated	1.00	2 to 120 °C	Rp ½	R ½	1163453
DN 15	White powder-coated	1.00	2 to 90 °C	Rp ½	R ½	1163463
DN 15	Stainless steel design	1.00	2 to 90 °C	Rp ½	R ½	1163483

E Reversed angle



Nominal size	Surface	Kvs	Operating temperature	Pipe connection	Radiator connection	Item No.
DN 15	Anthracite	1.00	2 to 120 °C	Rp ½	R ½	1163232
DN 15	Chrome-plated	1.00	2 to 120 °C	Rp ½	R ½	1163252
DN 15	White powder-coated	1.00	2 to 90 °C	Rp ½	R ½	1163262

Sets with E thermostatic valve



Consisting of	Nominal size	Type	Surface	Pipe connection	Radiator connection	Item No.
E Thermostatic valve Combi E Radiator lockshield valve Thermostat Uni SH	DN 15	Angle	Chrome-plated	Rp ½	R ½	1164052
E Thermostatic valve Combi E Radiator lockshield valve Thermostat Uni SH	DN 15	Straight	Chrome-plated	Rp ½	R ½	1164152
E Thermostatic valve Combi E Radiator lockshield valve Thermostat Uni SH	DN 15	Double angle left	Chrome-plated	Rp ½	R ½	1164352
E Thermostatic valve Combi E Radiator lockshield valve Thermostat Uni SH	DN 15	Double angle right	Chrome-plated	Rp ½	R ½	1164452

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

A Thermostatic valves for high flow rates



For use at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated A valve insert provides a high flow rate, which enables use in one pipe, two pipe and gravity systems. The A thermostatic valves are available in angle, straight, reversed angle and double angle versions.
The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.

Body material	Brass
Surface	Nickel-plated
Presetting	No
Thermostat thread	M 30 x 1.5
Medium	Water-glycol mixture Water

Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Colour protection cap	Black
One pipe*	Yes
Two pipe*	Yes

A Angle



Nominal size	Kvs	Pipe connection	Radiator connection	Certification	Item No.
DN 10	1.20	Rp ⅜	R ⅜	Keymark	1181003
DN 15	1.20	Rp ½	R ½	Keymark	1181004
DN 20	3.50	Rp ¾	R ¾	Keymark	1181006
DN 25	3.50	Rp 1	R 1		1181008
DN 15	1.20	G ¾ external	R ½		1181097

A Straight



Nominal size	Kvs	Pipe connection	Radiator connection	Certification	Item No.
DN 10	1.20	Rp ⅜	R ⅜	Keymark	1181103
DN 15	1.20	Rp ½	R ½	Keymark	1181104
DN 20	2.50	Rp ¾	R ¾	Keymark	1181106
DN 25	3.30	Rp 1	R 1		1181108
DN 15	1.20	G ¾ external	R ½		1181197

A Double angle left



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.20	Rp ⅜	R ⅜	1181390
DN 15	1.20	Rp ½	R ½	1181392
DN 15	1.20	G ¾ external	R ½	1181396

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



A Double angle right

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.35	Rp ⅜	R ⅜	1181391
DN 15	1.20	Rp ½	R ½	1181393
DN 15	1.20	G ¾ external	R ½	1181397

A Reversed angle



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.20	Rp ⅜	R ⅜	1181403
DN 15	1.20	Rp ½	R ½	1181404
DN 20	2.20	Rp ¾	R ¾	1181406
DN 15	1.20	G ¾ external	R ½	1181492

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

AF Presettable thermostatic valves for low flow rates



For manual hydronic balancing at the radiator in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated AF valve insert allows for infinitely variable presetting to adapt the volume flow to the required heat demand. The AF thermostatic valves are available in angle, straight, reversed angle and double angle versions.

The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.
The AF thermostatic valve is used especially in heating systems with a high temperature spread (district heating systems) or in systems with small flow rates. A great advantage of the valve is the litre-precise adjustment of the flow rate at the radiator.

Surface	Nickel-plated
Thermostat thread	M 30 x 1.5
Presetting	Yes
Medium	Water-glycol mixture Water
Max. operating pressure	16 bar

Operating temperature	2 to 120 °C
Colour protection cap	Red
One pipe*	No
Two pipe*	Yes

AF Angle



Certification	Keymark

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.37	Rp ⅜	R ⅜	1180603
DN 15	0.37	Rp ½	R ½	1180604
DN 20	0.37	Rp ¾	R ¾	1180606

AF Straight



Certification	Keymark

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.37	Rp ⅜	R ⅜	1180703
DN 15	0.37	Rp ½	R ½	1180704
DN 20	0.37	Rp ¾	R ¾	1180706

AF Double angle left



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.37	Rp ⅜	R ⅜	1181460
DN 15	0.37	Rp ½	R ½	1181462

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



AF Double angle right

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.37	Rp ⅜	R ⅜	1181461
DN 15	0.37	Rp ½	R ½	1181463



AF Reversed angle

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	0.37	Rp ⅜	R ⅜	1180903
DN 15	0.37	Rp ½	R ½	1180904

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

AZ V Pressure-balanced, presettable thermostatic valves for high flow rates



For use at radiators in central heating and cooling system with closed circuits. Installation in the supply pipe.
The integrated valve insert, which is also used in balancing and pipeline valves, provides a very high flow rate, which enables use for zone control in combination with thermostats or actuators. The AZ V thermostatic valves are available in angle and straight versions.
The body of the valve is made of brass and the surface is nickel-plated. The spindle is made of stainless steel.

Body material	Brass	Max. operating pressure	10 bar
Surface	Nickel-plated	Operating temperature	2 to 120 °C
Presetting	Yes	Colour protection cap	Green
Thermostat thread	M 30 x 1.5	One pipe*	Yes
Medium	Water-glycol mixture Water	Two pipe*	Yes

AZ V Angle



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	3.00	Rp ½	R ½	1187504
DN 20	3.00	Rp ¾	R ¾	1187506

AZ V Straight



Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 15	1.70	Rp ½	R ½	1187604
DN 20	2.30	Rp ¾	R ¾	1187606
DN 25	3.00	Rp 1	R 1	1187608

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Manual regulating valves



The manual regulating valves for radiators can be used in one and two pipe central heating systems. They enable precise manual regulation of the room temperature. The heat output of the radiator is proportional to the setting of the handwheel. This sensitive regulation is achieved by a specially shaped valve plug. The presetting is infinitely variable. It is concealed and can be adjusted easily, quickly and precisely with a screwdriver. This makes it impossible for unauthorised persons to change the setting. The valve body is identical to other Oventrop thermostatic valves. This enables the possibilty of subsequent conversion to thermostatic operation by replacing the valve inserts. With the special tool Demo-Bloc the conversion can be carried out without draining the heating system.

The HRV manual regulating valves with presetting ensure exact hydronic balancing of the system. They offer good manual regulation and also the possibility of a later, problem-free and inexpensive conversion to thermostatic operation.

Body material	Brass
Surface	Nickel-plated
Thermostat thread	M 30 x 1.5
Protection cap	No
Medium	Water Water-glycol mixture
Operating temperature	2 to 120 °C

Max. operating pressure	10 bar
One pipe*	Yes
Two pipe*	Yes
Operation	Handwheel
Operating element colour	White



HRV Angle

Presetting: Yes

Kvs: 3.20

Nominal size	Pipe connection	Radiator connection	Item No.
DN 10	Rp ⅜	R ⅜	1191503 °
DN 15	Rp ½	R ½	1191504 °
DN 20	Rp ¾	R ¾	1191506 °
DN 10	Rp ⅜	R ⅜	1194503 °
DN 15	Rp ½	R ½	1194504 °
DN 20	Rp ¾	R ¾	1194506 °



HRV Straight

Presetting: Yes

Nominal size	Kvs	Pipe connection	Radiator connection	Item No.
DN 10	1.70	Rp ⅜	R ⅜	1191603 °
DN 15	1.70	Rp ½	R ½	1191604 °
DN 20	2.30	Rp ¾	R ¾	1191606 °
DN 10	1.70	Rp ⅜	R ⅜	1194603 °
DN 15	1.70	Rp ½	R ½	1194604 °
DN 20	2.30	Rp ¾	R ¾	1194606 °

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

° Production will be discontinued



HR Angle

Cannot be converted to thermostatic operation.

Presetting No Kvs 1.45

Nominal size	Pipe connection	Radiator connection	Item No.
DN 10	Rp ⅜	R ⅜	1190503
DN 15	Rp ½	R ½	1190504
DN 20	Rp ¾	R ¾	1190506



HR Straight

Cannot be converted to thermostatic operation.

Presetting No Kvs 1.20

Nominal size	Pipe connection	Radiator connection	Item No.
DN 10	Rp ⅜	R ⅜	1190603
DN 15	Rp ½	R ½	1190604
DN 20	Rp ¾	R ¾	1190606

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Thermostatic valves - Accessories and spare parts



Extension for thermostatic valves

Description	Item No.
For thermostatic valves and Uniboxes (manufactured until 2019), 20 mm	1022698



Compression fitting set (1-fold)

Description	Item No.
for E thermostatic valves, G ½ external thread x 15 mm, chrome-plated	1169093
For E thermostatic valves, G ½ external thread x 15 mm, white powder-coated	1169193
For E thermostatic valves, G ½ external thread x 15 mm, anthracite	1169493
For E thermostatic valves, G ½ external thread x 15 mm, stainless steel design	1169593



Demo-Bloc Special tool

Description	Item No.
Including coupling set for thermostatic valves M 30 x 1.5 and AQ/AQH thermostatic valves	1188051



Coupling set

Description	Item No.
For Demo-Bloc, for valves with connection thread M 30 x 1.0	1188089
For Demo-Bloc, for valves with connection thread M 30 x 1.5	1188091
For Demo-Bloc, for valves with AQ/AQH technique	1188094
For Demo-Bloc, for replacing the HRV and Combi LR inserts	1188095



Differential pressure measuring spindle

Description	Item No.
Spindle for differential pressure measurement at the thermostatic valve	1188093



Cleaning head

The valve seat can be cleaned with the Demo-Bloc and the cleaning head.

Description	Item No.
Cleaning head for all valves	1188400



Wall connection set (1-fold)

Description	Item No.
For E thermostatic valves, DN 15, chrome-plated	1169553
For E thermostatic valves, DN 15, white	1169563



Universal tool

Description	Item No.
For Uni LHB, LDB, LH and L thermostats as well as AV 9 and AQ thermostatic valves	1011489



Presetting key

Description	Item No.
For AF thermostatic valves and GHF valve inserts	1180791
For AV 6, ADV 6, RFV 6 and E thermostatic valves as well as GH valve inserts	1183961
For AV 9, ADV 9, RFV 9, CV 9 and E thermostatic valves	1183962



Measuring device

Description	Item No.
For AF thermostatic valves, for checking preset values	1180793



Replacement stuffing gland screw

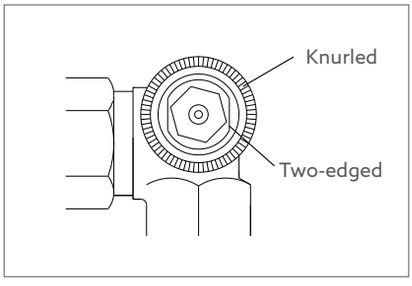
Description	Item No.
For all thermostatic valves (exception: AV 9, CV 9, RFV 9, ADV 9, E, AQ, RFQ, EQ, A (manufactured from 2013) and RF (manufactured from 2014), spanner size 14 mm, set = 5 pieces	1017501

Replacement valve inserts

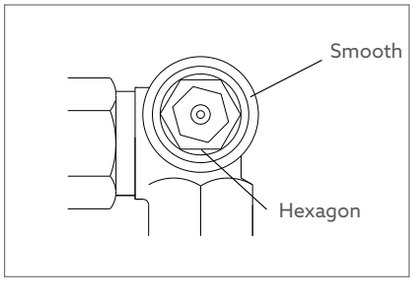


The valve inserts are suitable for replacement in thermostatic valves. The valve inserts can be preset for adaptation to the system requirements and for manual or automatic hydronic balancing. The valve inserts are suitable for all thermostatic valves, so you can benefit from the advantages of the different valve inserts at any time without having to replace the entire valve. We recommend our Demo-Bloc for replacement. With this special tool, the valve insert can be replaced without draining the system. Our thermostats with connection thread M 30 x 1.5, such as the Uni LH, Uni SH and pinox fit the valve inserts.

Connection thread M 30 x 1.0
until 1998



Connection thread M 30 x 1.5
from 1998



The new **valve version** has a hexagon (old: two-edged) on the upper part and is smooth on the housing collar (old: knurled).



Valve insert for valves with connection thread M 30 x 1.5

Description	Item No.
For ADV 9 thermostatic valves, M 30 x 1.5, kvs = 0.67	1186002
For A thermostatic valves (especially for steam systems), M 30 x 1.5	1186200
For AV 9, CV 9 , RFV 9, and E thermostatic valves, Multiblock T-RTL and Unibox, M 30 x 1.5, DN 10 - DN 20, kv = 0.67	1187047
For A and RF thermostatic valves, DN 20 - DN 32, M 30 x 1.5, kv = 1.00 - 1.10	1187049
For A and RF thermostatic valves, DN 10 - DN 15, M 30 x 1.5, kv = 0.95	1187059
For AQ, RFQ and EQ thermostatic valves, Multiblock TQ and TQ-RTL, Multiflex FQ as well as Unibox TQ and TQ vario, 10 - 170 l/h, M 30 x 1.5	1187065
For reversed supply and return pipe, for A, AV 9, ADV 9, CV 9, E, AF, RF and RFV 9 thermostatic valves as well as Hycocon ATZ and VTZ, M 30 x 1.5, without presetting	1187070
For reversed supply and return pipe, for A, AV 9, ADV 9, CV 9, E, AF, RF and RFV 9 thermostatic valves, Multiblock T, TU and TFU as well as Unibox, M 30 x 1.5, with presetting	1187078
For AF thermostatic valves, M 30 x 1.5, kv = 0.32	1187352



Valve insert for valves with connection thread M 30 x 1.0 (manufactured until 1998)

Description	Item No.
For AV 6, RFV 6 and E thermostatic valves, M 30 x 1.0, DN 10 - DN 20, kv = 0.65	1017057
For AZ thermostatic valves, M 30 x 1.0, DN 10 - DN 32, kv = 1.10	1017060
For F thermostatic valves, M 30 x 1.0, kv = 0.32	1017351

1.2 Hydronic balancing at the radiator

Radiator lockshield valves 100

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Combi C Presettable radiator lockshield valves with chrome-plated body..... 104
Combi LR Presettable radiator lockshield valves for high flow rates..... 105

Combi 2 Presettable radiator lockshield valves



The Combi 2 radiator lockshield valves are suitable for the lower connection of the pipework to radiators with conventional valve connection. The fittings have a proportional presetting and are suitable for use in central heating and cooling systems with closed circuits. The Combi 2 radiator lockshield valves are made of nickel-plated brass.

Body material	Brass
Surface	Nickel-plated
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture

Presetting	Yes
Shutoff	Yes
Filling and draining	No
One pipe*	Yes
Two pipe*	Yes

Combi 2 Angle



Nominal size	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	1.70	R ⅜	Rp ⅜	1091061
DN 15	1.70	R ½	Rp ½	1091062
DN 20	1.70	R ¾	Rp ¾	1091063

Combi 2 Straight



Nominal size	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	1.70	R ⅜	Rp ⅜	1091161
DN 15	1.70	R ½	Rp ½	1091162
DN 20	1.70	R ¾	Rp ¾	1091163

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Combi 3 Presettable radiator lockshield valves with draining facility



The Combi 3 radiator lockshield valves are suitable for the lower connection of the pipework to radiators with conventional valve connection. The fittings have a proportional presetting and are suitable for use in central heating and cooling systems with closed circuits. In addition, the radiator can be drained and filled via the fitting with the help of a separate tool (item no. 1090551). The Combi 3 radiator lockshield valves are made of nickel-plated brass or nickel-plated bronze (straight version DN 10 and DN 15).

Surface	Nickel-plated
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture
Presetting	Yes

Shutoff	Yes
Filling and draining	Yes
One pipe*	Yes
Two pipe*	Yes

Combi 3 Angle



Body material	Brass

Nominal size	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	1.70	R ⅜	Rp ⅜	1090361
DN 15	1.70	R ½	Rp ½	1090362
DN 20	1.70	R ¾	Rp ¾	1090363

Combi 3 Straight



Nominal size	Body material	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	Bronze	1.70	R ⅜	Rp ⅜	1090461
DN 15	Bronze	1.70	R ½	Rp ½	1090462
DN 20	Brass	1.70	R ¾	Rp ¾	1090463

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Combi E Presettable design radiator lockshield valves



The Combi E radiator lockshield valves are suitable for the lower connection of the pipework to radiators with conventional valve connection. They are available as an exclusive version in various designs. The fittings have a reproducible, proportional presetting and are suitable for use in central heating and cooling systems with closed circuits. In addition, the radiator can be drained and filled via the fitting with the help of a separate tool (item no. 1090551). The Combi E radiator lockshield valves are made of brass.

Body material	Brass
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture
Shutoff	Yes
Filling and draining	Yes
Reproducible presetting	Yes
One pipe*	Yes
Two pipe*	Yes

Combi E Angle



Nominal size	Surface	Kvs	Item No.
DN 15	Anthracite	1.05	1166032
DN 15	Chrome-plated	1.05	1166052
DN 15	White powder-coated	1.05	1166062
DN 15	Stainless steel design	1.05	1166082

Combi E Straight



Nominal size	Surface	Kvs	Item No.
DN 15	Anthracite	1.05	1167032
DN 15	Chrome-plated	1.05	1167052
DN 15	White powder-coated	1.05	1167062
DN 15	Stainless steel design	1.05	1167082

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Combi C Presettable radiator lockshield valves with chrome-plated body



The Combi C radiator lockshield valves are suitable for the lower connection of the pipework to radiators with conventional valve connection. The fittings have a reproducible, proportional presetting and are suitable for use in central heating and cooling systems with closed circuits. In addition, the radiator can be drained and filled via the fitting with the help of a separate tool (item no. 1090551). The Combi C radiator lockshield valves are made of chrome-plated brass.

Body material	Brass
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture
Shutoff	Yes

Reproducible presetting	Yes
Filling and draining	Yes
One pipe*	Yes
Two pipe*	Yes

Combi C Angle



Nominal size	Surface	Kvs	Item No.
DN 15	Chrome-plated	1.70	1164554 °

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

° Production will be discontinued

Combi LR Presettable radiator lockshield valves for high flow rates



The Combi LR radiator lockshield valves are suitable for the lower connection of the pipework to radiators with conventional valve connection. The fittings have a proportional presetting with increased kvs value and are suitable for use in central heating and cooling systems with closed circuits. The Combi LR radiator lockshield valves are made of nickel-plated brass.

Body material	Brass
Surface	Nickel-plated
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture

Presetting	Yes
Shutoff	Yes
Filling and draining	No
One pipe*	Yes
Two pipe*	Yes

Combi LR Angle



Nominal size	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	3.50	R ⅜	Rp ⅜	1027562
DN 15	4.50	R ½	Rp ½	1027564
DN 20	4.50	R ¾	Rp ¾	1027566
DN 25	4.50	R 1	Rp 1	1027568

Combi LR Straight



Nominal size	Kvs	Radiator connection	Pipe connection	Item No.
DN 10	1.80	R ⅜	Rp ⅜	1027662
DN 15	1.80	R ½	Rp ½	1027664
DN 20	2.40	R ¾	Rp ¾	1027666
DN 25	3.20	R 1	Rp 1	1027668

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



1.2 Hydronic balancing at the radiator

Valve inserts for compact radiators 106

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		GH	GH	GH	GD	GD	GHF	GHF
	Item no.	1018080	1018082	1018083	1018084	1018086	1018090	1018097
Suitable for radiators of the following manufacturers								
Arbonia	until 2002	●					●	
Baufa		●					●	
Bemm								
bremo		●					●	
Brugman	until 2013		●			●		●
	from 2013			●	●			
Brötje	1994-2003		●			●		●
	from 2003			●	●			
Buderus/Brötje	1982-1986							
Buderus	from 2001			●	●			
De Longhi	until 2016		●			●		●
	from 2016			●	●			
DEF		●					●	
DiaNorm	until 2010	●					●	
Dia-therm		●					●	
DURA				●	●			
Ferroli/IMA				●	●			
HM-Heizkörper		●					●	
Hoval		●					●	
IMAS	from 2018	●					●	
Korad	from 2006			●	●			
Korado				●	●			
Manaut		●					●	
Purmo	until 2010	●					●	
Radson	until 2010	●					●	
Rettig	until 2010	●					●	
Ribe			●			●		●
Runtal		●					●	
Superia	from 2005			●	●			
U.S. Steel	until 2019			●	●			
Vasco				●	●			
VEHA			●			●		●











GHF	GD	GHQ	GHQ	GHQ	GDQ	GDQ	GDQ	GH
1018098	1018099	1019080	1019082	1019083	1019084	1019086	1019099	1648077
		Q-Tech	Q-Tech	Q-Tech	Q-Tech	Q-Tech	Q-Tech	
	●	●					●	●
	●	●					●	●
			●	●	●	●		
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			●			●		

Status: 11/2020. Subject to technical modifications by the radiator manufacturers.

Valve inserts for radiators with integrated valve set



The valve inserts are suitable for installation in compact radiators. The valve inserts can be preset for adaptation to the system requirements and for manual or automatic hydronic balancing. The valve inserts are suitable for various types of radiators of numerous manufacturers. Our thermostats with connection thread M 30 x 1.5, such as the Uni LH, Uni XH, Uni SH or pinox, fit the valve inserts.



GHQ Valve insert with M 30 x 1.5

Description	Item No.
GHQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, M 30 x 1.5, with frontal seat sealing	1019080
GHQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, M 30 x 1.5, for seat diameter 16 H 11	1019082
GHQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, M 30 x 1.5, with internal O-ring	1019083



GH Valve insert with M 30 x 1.5

Description	Item No.
GH valve insert, with 6 presetting positions, G ½ external thread, M 30 x 1.5, with frontal seat sealing, kvs = 1.05	1018080
GH valve insert, with 6 presetting positions, G ½ external thread, M 30 x 1.5, for seat diameter 16 H 11, kvs = 1.05	1018082
GH valve insert, with 6 presetting positions, G ½ external thread, M 30 x 1.5, with internal O-ring, kvs = 1.05	1018083
GH special valve insert, with 6 presetting positions, G ½ external thread, M 30 x 1.5, with frontal seat sealing, for reversed supply and return pipe, kvs = 1.00	1648077



GHF Valve insert with M 30 x 1.5

Description	Item No.
GHF valve insert, with fine presetting, G ½ external thread, M 30 x 1,5, with frontal seat sealing, kvs = 0.37	1018090
GHF valve insert, with fine presetting, G ½ external thread, M 30 x 1.5, for seat diameter 16 H 11, kvs = 0.37	1018097
GHF valve insert, with fine presetting, G ½ external thread, M 30 x 1.5, with internal O-ring, kvs = 0.37	1018098



GDQ Valve insert with squeeze connection

Description	Item No.
GDQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, squeeze connection, with internal O-ring	1019084
GDQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, squeeze connection, for seat diameter 16 H 11	1019086
GDQ valve insert, Q-Tech, 10-170 l/h, G ½ external thread, squeeze connection, with frontal seat sealing	1019099



GD Valve insert with squeeze connection

Description	Item No.
GD valve insert, with 8 presetting positions, G ½ external thread, squeeze connection, with internal O-ring, kvs = 1.05	1018084
GD valve insert, with 8 presetting positions, G ½ external thread, squeeze connection, for seat diameter 16 H 11, kvs = 1.05	1018086
GD valve insert, with 8 presetting positions, G ½ external thread, squeeze connection, with frontal seat sealing, kvs = 1.05	1018099



Presetting key

Description	Item No.
For AF thermostatic valves and GHF valve inserts	1180791

1.2 Hydronic balancing at the radiator

H-blocks 112

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Multiblock T-RTL Connection fittings with thermostatic valve and return temperature limiter..... 116
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Multiblock T Connection fittings with thermostatic valve



The Multiblock T connection fitting is a combination consisting of a thermostatic valve and a connection fitting at the radiator. Thanks to the special AV9U valve insert, the fitting is not only infinitely presettable, but supply and return are also freely selectable, as the flow is possible in either direction. Depending on the version, the connection to the radiator is either with G ¾ union nut and insert to radiators with G ¾ external thread (Eurocone) or with G ¾ union nut and screw-in connection piece to radiators with G ½ internal thread.

The following functions are available: Presetting for hydronic balancing, shutoff as well as draining and filling. Depending on the version, the fitting can be used in two pipe or one and two pipe systems. The Multiblock T connection fitting is available in straight and angle versions and as pivoting version. The fitting is made of nickel-plated brass, the centre distance is 50 mm. Design covers are available in various colours and surfaces (see chapter "H-Blocks Accessories and spare parts")

Body material	Brass
Surface	Nickel-plated
Thermostat thread	M 30 x 1.5
Q-Tech	No
Shutoff	Yes
Medium	Water Water-glycol mixture

Distance between pipe centres	50 mm
Max. operating pressure	10 bar

Multiblock T Straight



Presetting	Yes	Pipe connection	G ¾ Eurocone
Thermostat connection	Left or right hand side	Operating temperature	2 to 120 °C
Filling and draining	Yes		

One pipe*	Two pipe*	Radiator connection	Item No.
No	Yes	G ¾ union nut	1184013
No	Yes	G ½ external	1184083

Multiblock TU Straight



Presetting	Yes	Pipe connection	G ¾ Eurocone
Thermostat connection	Left or right hand side	Operating temperature	2 to 120 °C
Filling and draining	No		

One pipe*	Two pipe*	Radiator connection	Item No.
Yes	Yes	G ¾ union nut	1184023
Yes	Yes	G ½ external	1184033

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Multiblock T Angle



Presetting	Yes	Pipe connection	G ¾ Eurocone
Thermostat connection	Left hand side	Operating temperature	2 to 120 °C
Filling and draining	Yes		

One pipe*	Two pipe*	Radiator connection	Item No.
No	Yes	G ¾ union nut	1184014
No	Yes	G ½ external	1184084

Multiblock TU Angle



Presetting	Yes	Pipe connection	G ¾ Eurocone
Thermostat connection	Left hand side	Operating temperature	2 to 120 °C
Filling and draining	No		

One pipe*	Two pipe*	Radiator connection	Item No.
Yes	Yes	G ¾ union nut	1184024
Yes	Yes	G ½ external	1184034

Multiblock TFU pivoting



Thermostat connection	Left or right hand side	Kv 2 K P-deviation*	0.47
Filling and draining	Yes	Operating temperature	2 to 120 °C
Presetting	Yes	Pipe connection	G ¾ Eurocone
Kv 1 K P-deviation*	0.31		

One pipe*	Two pipe*	Radiator connection	Item No.
Yes	Yes	G ¾ external	1184025
Yes	Yes	G ½ external	1184035

Sets with Multiblock T, angle and Uni SH



For the connection to radiators with G ½ internal thread.

Consisting of	Type	Colour	Item No.
Multiblock T Design cover Thermostat Uni SH SH-Cap	Angle	White / Chrome	1184184
Multiblock T Design cover Thermostat Uni SH SH-Cap	Angle	Chrome	1184284
Multiblock T Design cover Thermostat Uni SH SH-Cap	Angle	Stainless steel	1184384
Multiblock T Design cover Thermostat Uni SH SH-Cap	Angle	Matt black	1184484 ⁘

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system
Kv 1 K P-deviation = Kv value at 1 K P-deviation
Kv 2 K P-deviation = Kv value at 2 K P-deviation

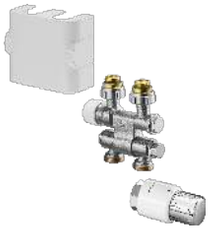
⁘ New in the catalogue 2026



Sets with Multiblock T, straight and Uni SH

For the connection to radiators with G ½ internal thread.

Consisting of	Type	Colour	Item No.
Multiblock T Design cover Thermostat Uni SH SH-Cap	Straight	White / Chrome	1184183
Multiblock T Design cover Thermostat Uni SH SH-Cap	Straight	Chrome	1184283
Multiblock T Design cover Thermostat Uni SH SH-Cap	Straight	Stainless steel	1184383
Multiblock T Design cover Thermostat Uni SH SH-Cap	Straight	Matt black	1184483 ⁘



Sets with Multiblock TFU and Uni SH

For the connection to radiators with G ½ internal thread.

Consisting of	Type	Colour	Item No.
Multiblock TFU Design cover Thermostat Uni SH SH-Cap	Pivoting	White / Chrome	1184135
Multiblock TFU Design cover Thermostat Uni SH SH-Cap	Pivoting	Chrome	1184235

Multiblock T-RTL Connection fittings with thermostatic valve and return temperature limiter



The Multiblock T-RTL connection fitting is designed for the combined use of radiators and surface tempering in two pipe systems. The fitting includes an AV 9 valve insert with infinitely variable presetting for automatic hydronic balancing and an RTL controller for return temperature limitation. The room temperature and return temperature are controlled separately. The fitting is soft sealing to the radiator. Depending on the version, the connection to the radiator is either with G ¾ union nut and insert to radiators with G ¾ external thread (Eurocone) or with G ¾ union nut and screw-in connection piece to radiators with G ½ internal thread.

The following functions are available: Presetting for automatic hydronic balancing, shutoff and return temperature limitation for surface tempering. The connection fitting is available in angle version and is made of nickel-plated brass, the centre distance is 50 mm. A mounting aid is included in the scope of delivery. Design covers are available in white and chrome-plated (see chapter "H-Blocks Accessories and spare parts").

Body material	Brass
Surface	Nickel-plated
Thermostat thread	M 30 x 1.5
Q-Tech	No
Shutoff	Yes
One pipe*	No
Two pipe*	Yes

Medium	Water Water-glycol mixture
Distance between pipe centres	50 mm
Max. operating pressure	10 bar

Multiblock T-RTL Angle



Surface heating/cooling*	Yes	Filling and draining	No
Return temperature*	Yes	Thermostat connection	Left hand side
Presetting	Yes	Operating temperature	2 to 70 °C

Radiator connection	Pipe connection	Item No.
G ¾ union nut	G ¾ Eurocone	1184016
G ½ external	G ¾ Eurocone	1184086

Sets with Multiblock T-RTL and Uni SH



For the connection to radiators with G ½ internal thread.

Consisting of	Type	Colour	Item No.
Multiblock T-RTL Design cover Thermostat Uni SH SH-Cap	Angle	White / Chrome	1184188
Multiblock T-RTL Design cover Thermostat Uni SH SH-Cap	Angle	Chrome	1184288

Surface heating/cooling = Can be combined with surface tempering
Return temperature = Return temperature limiter
One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Multiflex F H-blocks



The Multiflex H-blocks are designed for the connection of radiators with integrated valve set.

The fittings are soft sealing to the radiator. Depending on the version, the connection to the radiator is either with G ¾ union nut and insert to radiators with G ¾ external thread (Eurocone) or with G ¾ union nut and screw-in connection piece to radiators with G ½ internal thread.

The following functions are available: Shutoff, draining, filling and presetting. Depending on the version, the fitting can be used in two pipe or one and two pipe systems. The Multiflex connection fitting is available in straight and angle versions and as pivoting version. The fitting is made of nickel-plated brass, the centre distance is 50 mm.

Body material	Brass
Surface	Nickel-plated
Q-Tech	No
Shutoff	Yes
Medium	Water Water-glycol mixture

Pipe connection	G ¾ Eurocone
Operating temperature	2 to 120 °C
Distance between pipe centres	50 mm
Max. operating pressure	10 bar

Multiflex F Angle



Radiator connection	Presetting	Filling and draining	One pipe*	Two pipe*	Item No.
G ¾ union nut	No	No	No	Yes	1015814
G ½ external	No	No	No	Yes	1015884
G ¾ union nut	Yes	Yes	Yes	Yes	1015944
G ½ external	Yes	Yes	Yes	Yes	1015994

Multiflex F Straight



Radiator connection	Presetting	Filling and draining	One pipe*	Two pipe*	Item No.
G ¾ union nut	No	No	No	Yes	1015813
G ½ external	No	No	No	Yes	1015883
G ¾ union nut	Yes	Yes	Yes	Yes	1015943
G ½ external	Yes	Yes	Yes	Yes	1015993

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



Multiflex F pivoting

Radiator connection	Presetting	Filling and draining	One pipe*	Two pipe*	Item No.
G ¾ union nut	No	No	No	Yes	1015711
G ½ external	No	No	No	Yes	1015781



Sets with Multiflex

Consisting of	Type	Radiator connection	Item No.
Multiflex F vindo TH thermostat	Straight	G ¾ external	1715813
Multiflex F vindo TH thermostat	Angle	G ¾ external	1715814
Multiflex F vindo TH thermostat	Straight	G ½ internal	1715883
Multiflex F vindo TH thermostat	Angle	G ½ internal	1715884

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Inversion fittings



Inversion fittings are connection fittings that are designed for reversed flow and return at radiators with integrated valve set. They ensure a correct flow against the valve insert by exchanging the supply and return flow crosswise.

The fittings are soft sealing to the radiator. Depending on the version, the connection to the radiator is either with G ¾ union nut and insert to radiators with G ¾ external thread (Eurocone) or with G ¾ union nut and screw-in connection piece to radiators with G ½ internal thread.

All inversion fittings feature a shutoff function. They are available in straight and angle versions and are made of nickel-plated brass. The centre distance is 50 mm.

Body material	Brass
Surface	Nickel-plated
Shutoff	Yes
Presetting	No
Medium	Water Water-glycol mixture
One pipe*	No
Two pipe*	Yes
Filling and draining	No
Operating temperature	2 to 120 °C
Distance between pipe centres	50 mm
Max. operating pressure	10 bar

Inversion fitting straight



Radiator connection	Pipe connection	Item No.
G ¾ union nut	G ¾ Eurocone	1016362
G ½ external	G ¾ Eurocone	1016363

Inversion fitting angle



Radiator connection	Pipe connection	Item No.
G ¾ union nut	G ¾ Eurocone	1016462
G ½ external	G ¾ Eurocone	1016463

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

H-blocks - Accessories and spare parts

Design cover for Multiblock T/TU/TQ, angle version



Description	Item No.
Matt black	1184082 ⁘
Anthracite	1184089
Stainless steel design	1184091
White	1184096
Chrome-plated	1184098

Design cover for Multiblock T/TU/TQ, straight version



Description	Item No.
Matt black	1184081 ⁘
Anthracite	1184088
Stainless steel design	1184090
White	1184095
Chrome-plated	1184097

Design cover for Multiblock TFU



Description	Item No.
White	1184092
Chrome-plated	1184093

Design cover for Multiblock T-RTL/TQ-RTL



Description	Item No.
Chrome-plated	1184077
White	1184087

⁘ New in the catalogue 2026

Design cover for Multiflex F



Description	Item No.
For item no. 1015813/14/8³⁄₈4, white	1015896

Covering rosette



Description	Item No.
For Multiblock T-RTL and TQ-RTL, white	1189087

Commissioning block

With the commissioning block, the surface heating circuit can already be filled, vented and checked for leaks during the shell construction phase. In addition, limited operation of the surface heating is possible with the fitting.



Description	Item No.
For Multiblock T-RTL and TQ-RTL	1184094

Mounting aid



Mounting aid for fixing the pipes of the Multiblock T-RTL/TQ-RTL connection fitting. After creating the wall slots, the mounting aid must be fixed in the exact position on the unplastered wall using screws (not included in the scope of delivery). During installation, ensure that the pipes are fed in parallel. The protruding pipes must be fixed in the mounting aid with the enclosed membrane sleeves.
Then plaster the wall. Do not plaster the wall slot, as the installation of the pipes for surface tempering is only carried out after the wall plastering work. The pipes for surface tempering must then be fixed in the mounting aid according to the same principle.

Description	Item No.
For Multiblock T-RTL and TQ-RTL	1189094

Double threaded fitting



Body material	Surface	Item No.
Brass	Nickel-plated	1028263
Bronze	Untreated	1504054



Insert

Description	Item No.
For Cocon QTZ, Optibal W6, Multiflex F and FQ, Multiblock T, TU, TQ, TFU, T-RTL and TQ-RTL DN 15 with G ¾ externally threaded connection. Suitable for flat sealing tailpipes. For cone according to DIN EN 16313 (Eurocone), set = 2 pieces	1661100



Coupling

Effective length: 15.5 mm

Description	Item No.
G ¾ union nut x Rp ½ internal thread, brass, nickel-plated, for radiators with integrated valve set, not suitable for compression fittings	1016304



Spacer

Description	Item No.
For Multiflex F, G ¾ internal thread x G ¾ external thread, nickel-plated, set = 2 pieces	1681650

Covering rosette



Description	Item No.
For Multiblock T, TU, TFU, TQ and Multiflex F, plastic, centre distance 50 mm, 15 mm perforation	1016673
For Multiblock T, TU, TFU, TQ and Multiflex F, plastic, centre distance 50 mm, 16 mm perforation	1016674



Drain and fill tool

Description	Item No.
For Combi 3, Combi 4, Multiblock and Multiflex	1090551



Mounting bridge

For bridging the supply and return pipes when installing radiators at a later stage.

Description	Item No.
DN 20, G ¾ ET, distance between pipe centres 50 mm	1016453 ⁘



Combi 3 Shutoff fitting

For presetting, shutting off, draining and filling.

Radiator connection	Pipe connection	Item No.
G ¾ union nut	Rp ½	1016166 °
G ¾ union nut	G ¾ external	1016168 °
G ½ external	Rp ½	1016175 °
G ½ external	G ¾ external	1016177 °



Combi 3 Angle shutoff fitting

For presetting, shutting off, draining and filling.

Radiator connection	Pipe connection	Item No.
G ¾ union nut	Rp ½	1016567 °
G ¾ union nut	G ¾ external	1016569 °
G ½ external	Rp ½	1016575 °
G ½ external	G ¾ external	1016577 °



Replacement valve insert

Description	Item No.
For reversed supply and return pipe, for A, AV 9, ADV 9, CV 9, E, AF, RF and RFV 9 thermostatic valves, Multiblock T, TU and TFU as well as Unibox, M 30 x 1.5, with presetting	1187078



Replacement screw-in connection piece

Description	Item No.
G ½ self-sealing external thread x G ¾ conically sealing external thread (Eurocone), brass, nickel-plated	1028161
For Multiflex F, FQ, Multiblock T, TU, TFU, TQ, T-RTL and TQ-RTL, G ½ self-sealing external thread x G ¾ flat sealing external thread, brass, unplated, set = 10 pieces	1028252
For Multiflex V, G ½ self-sealing external thread x G ¾ conically sealing external thread, brass, unplated, set = 10 pieces	1028253

° Production will be discontinued

1.2 Hydronic balancing at the radiator

Heating circuit manifolds for radiators **124**

Multidis SH Heating circuit manifolds..... 125
Multidis SH - Accessories..... 126

Multidis SH Heating circuit manifolds



The **Multidis SH** heating circuit manifolds for radiator connection for 2 - 12 circuits are equipped with flat sealing union nut with G 1 internal thread. The heating circuit connections with G ¾ external thread are suitable for Oventrop compression fittings. Wall brackets are loosely enclosed. Sound insulation according to DIN 4109. The heating circuit manifolds for radiator connection are used for the central distribution of the heating/cooling water to the different radiators per dwelling unit.

Connection thread supply and return	G 1 internal thread
Connection thread heating circuits	G ¾ external
Body material	Stainless steel
Heating circuits can be shut off	No

Max. operating pressure	10 bar
Operating temperature	-10 up to 90 °C
Ball valve	No
Fill and drain cock	No
Flow indicator	No
Wall bracket	Yes



For radiator connection

Heating circuits	Item No.
2	1407252
3	1407253
4	1407254
5	1407255
6	1407256
7	1407257
8	1407258
9	1407259
10	1407260
11	1407261
12	1407262

Multidis SH - Accessories



Ball valve, flat sealing

For Multidis SH/SF/SFQ.

Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406383
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406384



Ball valve, flat sealing, with red T-handle and thermometer

For Multidis SH/SF/SFQ.

Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406483 °
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406484



Ball valve, flat sealing, with blue T-handle and thermometer

For Multidis SH/SF/SFQ.

Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406583
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406584



Ball valve, flat sealing, with temperature sensor connection M 10 x 1.0

For Multidis SH/SF/SFQ.

Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406708

° Production will be discontinued

Ball valve with Eurocone



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, G ¾ external thread x G ¾ union nut	1406504



Surface-mounted cabinet

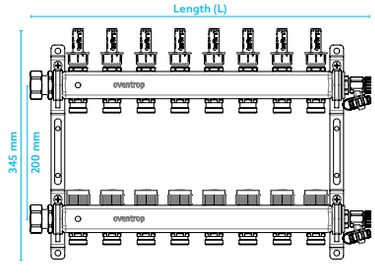
Description	Item No.
No. 1, W 600 x H 760-870 x D 160 mm	1401171
No. 2, W 750 x H 760-870 x D 160 mm	1401172
No. 3, W 1000 x H 760-870 x D 160 mm	1401173
No. 4, W 1250 x H 760-870 x D 160 mm	1401174



Flush-mounted cabinet

Description	Item No.
No. 1, W 560 x H 760-885 x D 115-180 mm	1401151
No. 2, W 700 x H 760-885 x D 115-180 mm	1401152
No. 3, W 900 x H 760-885 x D 115-180 mm	1401153
No. 4, W 1200 x H 760-885 x D 115-180 mm	1401154

When using heat meter connection sets, the sum of installation length and distributor/collector length must be taken into account.



Outlets	Length (L)	Cabinet no.	Length (L) with ball valve item no. 1406383	Cabinet no.
2	205 mm	1	255 mm	1
3	255 mm	1	305 mm	1
4	305 mm	1	355 mm	1
5	355 mm	1	405 mm	1
6	405 mm	1	455 mm	1
7	455 mm	1	505 mm	2
8	505 mm	2	555 mm	2
9	555 mm	2	605 mm	2
10	605 mm	2	655 mm	3
11	655 mm	3	705 mm	3
12	705 mm	3	755 mm	3



Replacement set for flush-mounted cabinet

Description	Item No.
For item no. 1401152, with door, frame and screed cover	1401192
For item no. 1401151, with door, frame and screed cover	1401193
For item no. 1401153, with door, frame and screed cover	1401195
For item no. 1401154, with door, frame and screed cover	1401196

Ring spanner



Description	Item No.
For mounting the compression fittings, spanner size 30/32 mm	1401091

1.2 Hydronic balancing at the radiator

Connection technology 129

Mounting and conversion aids..... 130
Cofit S Compression fittings..... 133
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Connection technology - Accessories and spare parts..... 137

Mounting and conversion aids



Cap with sealing washer and fastening loop

Nominal size	Item No.
-	1010999
DN 25	1034008
DN 15	1034052
DN 20	1034053



S-connection fitting

Surface Nickel-plated

Description	Item No.
G ¾ external thread x G ¾ union nut, brass	1019205



Length compensating nipple

Surface Nickel-plated

Length *(mm)*	Nominal size	Item No.
21	DN 10	1019003
22.8	DN 15	1019004
30	DN 20	1019006
75	DN 15	1019104
69.6	DN 20	1019106



Reducer

Description	Item No.
DN 25 / DN 15, G 1 internal thread x G ½ external thread, brass, nickel-plated	1019251
DN 25 / DN 20, G 1 internal thread x G ¾ external thread, brass, nickel-plated	1019252
DN 32 / DN 15, G 1¼ internal thread x G ½ external thread, brass, nickel-plated	1019253
DN 32 / DN 20, G 1¼ internal thread x G ¾ external thread, brass, nickel-plated	1019254



Reducing coupling

Description	Item No.
DN 10 / DN 15, brass, nickel-plated	1019351



Reducing outlet

Description	Item No.
DN 20 / DN 15, brass, nickel-plated	1019352



Coupling

Description	Item No.
DN 10, G ⅝ union nut x R ⅜ external thread, brass, nickel-plated	1019303
DN 15, G ¾ union nut x R ½ external thread, brass, nickel-plated	1019304
DN 20, G 1 union nut x R ¾ external thread, brass, nickel-plated	1019306
DN 15, G ¾ union nut x G ½ external thread, brass, nickel-plated, self-sealing with thread seal	1019362
DN 15, G ¾ union nut x G ½ external thread, brass, nickel-plated, self-sealing with O-ring	1019372



Elbow

Description	Item No.
DN 15, G ½ external thread x G ¾, brass, nickel-plated	1019365



Compensation fitting

Description	Item No.
For lower connection, G ¾ union nut x G ¾ external thread, brass, nickel-plated, centre distance compensation: 11.5 mm, length: 43 mm	1019451



Vent plug

Description	Item No.
G ⅜ external thread, PN 10, nickel-plated, water outlet rotatable, self-sealing	1101603
G ½ external thread, PN 10, nickel-plated, water outlet rotatable, self-sealing	1101604



Blind plug

Description	Item No.
G ⅜ external thread, PN 10, self-sealing, brass, nickel-plated	1101703
G ½ external thread, PN 10, self-sealing, brass, nickel-plated	1101704
G ¾ external thread, PN 10, self-sealing, brass, nickel-plated	1101706



Key

Description	Item No.
Square spanner 6 mm	1103051
Square spanner 5 mm	1103151



Drain valve

Description	Item No.
With rotatable outlet, dezincification resistant, G ¼ external thread (set = 10 pieces)	1102002
With rotatable outlet, dezincification resistant, G ⅜ external thread (set = 10 pieces)	1102003
With rotatable outlet, dezincification resistant, G ½ external thread (set = 10 pieces)	1102004

Cofit S Compression fittings



Cofit S compression fittings for G ¾ external thread are universally applicable for multi-layer composite pipes and, with the same processing method, also for plastic pipes (PE-Xc pipes and PE-RT pipes). They are soft sealing due to an O-ring and metal to metal sealing due to an additional sealing to the G ¾ internal cone. The sealing to the pipe is achieved by an outlet with additional O-ring. Clamping ring and union nut are made of brass, the union nut is nickel-plated. The outlet is made of bronze.

Seal	Metal to metal sealing
Suitable for	- Multi-layer composite pipes - Plastic pipes



Cofit S for G ¾ external thread

Cofit S, 2-fold, for G ¾ external thread according to DIN EN 16313, clamping ring and union nut made of brass, union nut nickel-plated, metal to metal sealing plus O-ring.

Suitable for pipe dimension *(mm)*	Connection size	Quantity	Item No.
14 x 2.0	G ¾ union nut	2-fold	1507934
16 x 2.0	G ¾ union nut	2-fold	1507935
17 x 2.0	G ¾ union nut	2-fold	1507937
18 x 2.0	G ¾ union nut	2-fold	1507938
20 x 2.0	G ¾ union nut	2-fold	1507939
20 x 2.5	G ¾ union nut	2-fold	1507940

Ofix Compression fittings



Ofix compression fittings for G ¾ external thread and G ⅜, G ½ and G ¾ internal thread are available for various types of pipes, such as copper pipes, plastic pipes, stainless steel pipes, precision steel pipes and galvanised steel pipes. Metal to metal sealing and soft sealing variants are available. No support sleeves are necessary for the soft sealing variant.



Ofix CEP for internal thread, metal to metal sealing

Ofix CEP, 1-fold, for copper pipes according to DIN EN 1057, pressure screw nickel-plated, metal to metal sealing.

Suitable for:

- Thermostatic valves (AQ, AQH, AV 9, RFV 9, CV 9, ADV 9, E, AF, AZ V)
- Manual regulating valves (HR, HRV)
- Radiator lockshield valves (Combi 2, Combi 3, Combi 4)
- Valves for return temperature limiters

Quantity 1-fold

Connection size	Item No.
G ⅜ x 10 mm	1027151
G ⅜ x 12 mm	1027152
G ½ x 12 mm	1027153
G ½ x 15 mm	1027155
G ¾ x 18 mm	1027157
G ¾ x 22 mm	1027158



Ofix CEP for internal thread, metal to metal sealing

Ofix CEP, 1-fold, for copper pipes according to DIN EN 1057, pressure screw nickel-plated, metal to metal sealing.

Suitable for:

- Thermostatic valves (AQ, AQH, AV 9, CV 9, ADV 9, E, AF, AZ V)
- Manual regulating valves (HR)
- Radiator lockshield valves (Combi 2, Combi 3, Combi 4)

Quantity 1-fold

Connection size	Item No.
G ½ x 10 mm	1028152
G ½ x 12 mm	1028153
G ½ x 14 mm	1028154
G ½ x 15 mm	1028155
G ½ x 16 mm	1028156



Ofix CEP for internal thread, metal to metal sealing

Ofix CEP, 2-fold, for connecting pipe, pressure screw nickel-plated, metal to metal sealing.

Suitable for:

- Thermostatic valves (AQ, AQH, AV 9, CV 9, ADV 9, E, AF, AZ V)
- Manual regulating valves (HR)
- Radiator lockshield valves (Combi 2, Combi 3, Combi 4)

Connection size	G ½ x 15 mm	Quantity	2-fold

Item No.
1016853



Ofix CEP for G ¾ external thread according to DIN EN 16313, soft sealing

Ofix CEP, 2-fold, one-piece pre-assembled, for copper pipes according to DIN EN 1057, precision steel pipes according to DIN EN 10305-1 / 2, stainless steel pipes and galvanised steel pipes, soft sealing (no support sleeves required).

Suitable for:

- H-blocks (Multiblock T, TQ, T-RTL, TQ-RTL, Multiflex F)
- Heating circuit manifolds (Multidis SF, SFQ, SH)
- Unibox

Seal	Soft sealing	Quantity	2-fold

Connection size	Item No.
G ¾ union nut x 10 mm	1016840
G ¾ union nut x 12 mm	1016841
G ¾ union nut x 14 mm	1016842
G ¾ union nut x 15 mm	1016843
G ¾ union nut x 16 mm	1016844
G ¾ union nut x 18 mm	1016845



Ofix CEP for G ¾ external thread according to DIN EN 16313, metal to metal sealing

Ofix CEP, 2-fold, for copper pipes according to DIN EN 1057, metal to metal sealing.

Suitable for:

- H-blocks (Multiblock T, TQ, T-RTL, TQ-RTL, Multiflex F)
- Heating circuit manifolds (Multidis SF, SFQ, SH)
- Unibox

Quantity	2-fold

Connection size	Item No.
G ¾ union nut x 10 mm	1016860
G ¾ union nut x 12 mm	1016861
G ¾ union nut x 14 mm	1016862
G ¾ union nut x 15 mm	1016863
G ¾ union nut x 16 mm	1016864
G ¾ union nut x 18 mm	1016865



Ofix K for G ¾ external thread according to DIN EN 16313, metal to metal sealing

Ofix K, 2-fold, for plastic pipes according to DIN EN 4726, PE-X according to DIN 16892/16893, PB according to DIN 16968 and PP according to DIN 8078 A1, metal to metal sealing plus O-ring.

Suitable for:

- H-Blocks (Multiblock T, TQ, T-RTL, TQ-RTL, Multiflex F)
- Heating circuit manifolds (Multidis SF, SFQ, SH)
- Unibox

Quantity	2-fold

Connection size	Item No.
12 x 2 mm	1016870
14 x 2 mm	1016873
16 x 2 mm	1016874
17 x 2 mm	1016876
18 x 2 mm	1016877 °
20 x 2 mm	1016879
16 x 1.5 mm	1016882
12 x 1.1 mm	1016883
15 x 2.5 mm	1016885

° Production will be discontinued

Connection technology - Accessories and spare parts



Brass support sleeve

For soft pipes with 1 mm wall thickness.

Description	Item No.
6 mm	2083951
8 mm	2083952
10 mm	1029651
14 mm	1029653
15 mm	1029654
16 mm	1029655
18 mm	1029656
22 mm	1029657

Connection of pipes, fittings, radiators, distributors/collectors etc. for heating, sanitation and air conditioning with compression fitting

	Compression fittings for G ¾ male thread according to DIN EN 16313 (Eurocone)				Compression fittings for Rp ½ female thread	
						
	Cofit S	**Ofix K**	**Ofix CEP**	**Ofix CEP**	**Ofix CEP**	**Cofit S**
	Outlet dezincification resistant brass, clamping ring brass	Outlet and clamping ring brass	Soft seal	Clamping ring brass	Clamping ring brass	Outlet dezincification resistant brass, clamping ring brass
Oventrop **Copipe multi-layer composite pipe** and multi-layer composite pipes of other manufacturers Ø 14 – Ø 20	Ø 14 – Ø 20					Ø 14 – Ø 16
Plastic pipe according to DIN 4726, PE-X according to DIN 16 892/16 893, PB according to DIN 16 968, PP according to DIN 80 78 A1 Ø 12 – Ø 20	Ø 14 – Ø 20 (only PE-X pipes)	Ø 12 – Ø 20				
Copper pipe DIN EN 1057 Ø 10 – Ø 18			Ø 10 – Ø 18	Ø 10 – Ø 22	Ø 10 – Ø 16	
Precision steel pipe DIN EN 10305-1 DIN EN 10305-2 Ø 10 – Ø 18			Ø 10 – Ø 18			
Stainless steel pipe DIN EN 10312 Ø 10 – Ø 18			Ø 10 – Ø 18			
Brass support sleeves				 For pipe wall thickness = 1 mm		

1.2 Hydronic balancing at the radiator

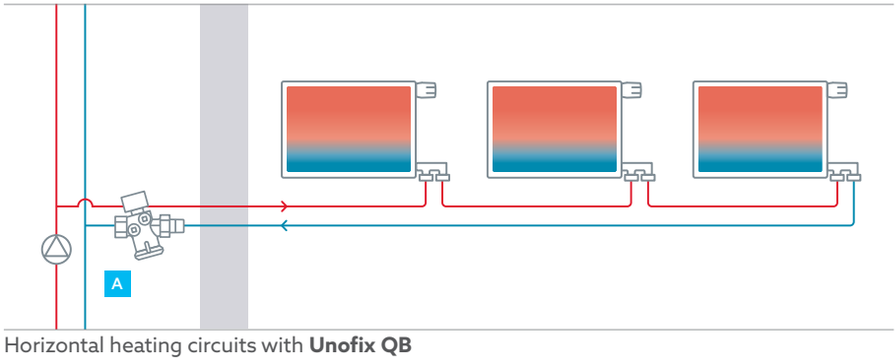
One pipe 139

Unofix Refurbishment of one pipe heating systems.. 140
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Unofix Refurbishment of one pipe heating systems



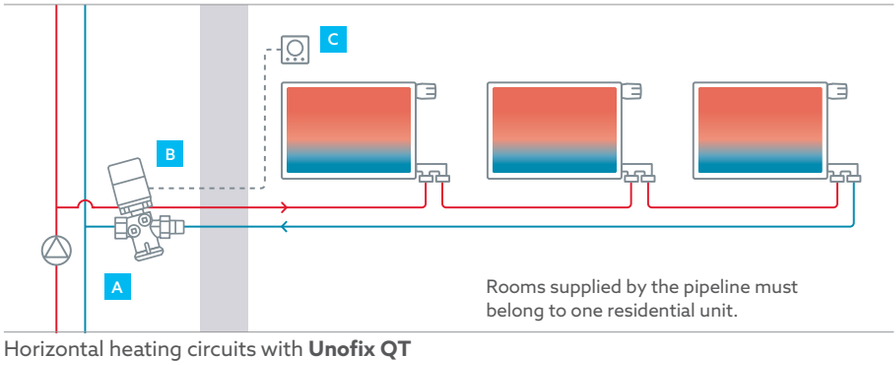
The Unofix system for the refurbishment of one pipe heating systems is based on the differential pressure independent control valve Cocon QTZ. It is available in different variants: As basic variant Unofix QB with pure volume flow limitation or as Unofix QT with additional actuator and room thermostat with time interval for e.g. night setback. The third variant Unofix QR has a return temperature limitation to maintain the temperature spread in partial load operation of the one pipe heating circuit. Two different spacers with fixed or adjustable minimum stroke are available for Unofix QR to ensure the residual volume flow.



Horizontal heating circuits with **Unofix QB**

Unofix QB

A	**Cocon QTZ**	11455..

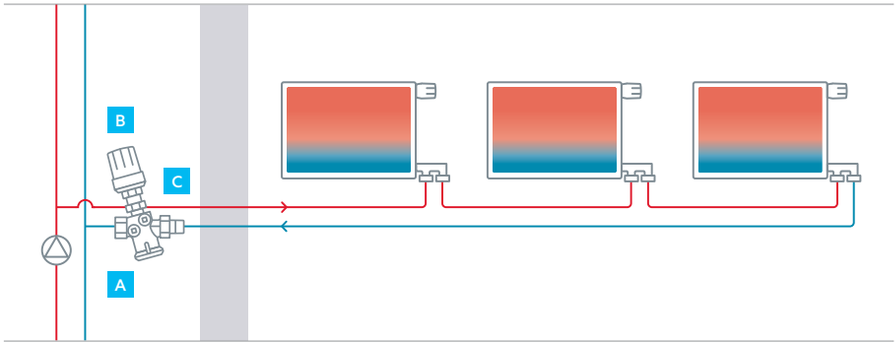


Rooms supplied by the pipeline must belong to one residential unit.

Horizontal heating circuits with **Unofix QT**

Unofix QT

A	**Cocon QTZ**	11455..
B	**Aktor T 2P** On/off control	1012415/16
C	Room thermostat for two pipe applications	1155031



Horizontal heating circuits with **Unofix QR**

Unofix QR

A	**Cocon QTZ**	11455..
B	**Uni RTLH** Thermostat	1149068
C	Spacer	1149090/91

Cocon QTZ with coupling and internal thread PN 16



Body material	DZR brass
Connection actuator	M 30 x 1.5
Shutoff	Yes
Presetting	Yes
Presetting blockable	Yes, lead sealable
Installation location	Supply or return

Main function	Pressure independent control valve
Medium	Water Water-glycol mixture
Operating temperature	-10 up to 120 °C
Measuring connection	Closed with blind plug

Nominal size	Connection size	Control range *(l/h)*	Item No.
DN 15	R ½ x Rp ½	30 up to 210	1145504
DN 15	R ½ x Rp ½	150 up to 1,050	1145704
DN 20	R ¾ x Rp ¾	150 up to 1,050	1145506

Cocon QTZ with external thread PN 16



Body material	DZR brass
Connection actuator	M 30 x 1.5
Shutoff	Yes
Presetting	Yes
Presetting blockable	Yes, lead sealable
Installation location	Supply or return

Main function	Pressure independent control valve
Medium	Water Water-glycol mixture
Operating temperature	-10 up to 120 °C
Measuring connection	Closed with blind plug

Nominal size	Connection size	Control range *(l/h)*	Item No.
DN 10	G ½	90 up to 450	1145663
DN 15	G ¾	30 up to 210	1145564
DN 15	G ¾	150 up to 1,050	1145764
DN 20	G 1	150 up to 1,050	1145566

Spacer



Description	Item No.
For Cocon QTZ PN 16, with fixed minimum stroke	1149090
For Cocon QTZ PN 16, with adjustable minimum stroke	1149091

Uni RTLH Thermostat with M 30 x 1.5



Description	Item No.
Anthracite, with zero position, limitable and blockable, 10 °C - 70 °C	1149068



ClimaCon F 90 Room thermostat for two pipe applications, heating only/cooling only, follower

Voltage		Suitable for	Item No.
230 V AC	On/off	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009



ClimaCon F 310 Room thermostat for two-pipe applications, heating or cooling, leader

Voltage		Suitable for	Item No.
230 V AC	On/off / PWM	Thermal actuators (on/off), “normally closed”	1155031



Aktor T 2P Thermal actuator

Version	normally closed	Valve connection	Connection thread M 30 x 1.5
Cable*	1.00 m		

Voltage	Item No.
230 V AC	1012415
24 V AC / DC	1012416

One pipe valves with shutoff



The Bypass Combi Uno system is used in one pipe central heating systems with forced circulation, with ring circuits up to 8000 watts, regardless of the type of heating.

The one pipe valves and connection pieces allow for an efficient, cost-saving installation and easy dimensioning of one pipe heating systems. The infinitely presettable bypass allows for an optimal economical design of the entire heating system. The radiator fitting of the one pipe connection piece can be either a brass fitting or an insulating fitting. The insulating fitting largely prevents even small radiators from heating up due to the heat flow through the radiator fitting when the thermostatic valve is closed. The possibility of shutting off the supply and return to the radiator means that it can also be removed while the heating system is running.

A one pipe connection piece, a connecting pipe and a reversed angle valve, a double angle valve or a straight valve with elbow, as well as a compression fitting set are required for the implementation. If the thermostat is to face forward, the double angle valve or the straight valve with elbow must be selected instead of the reversed angle valve. The thermostat must be ordered separately.

Uno One pipe connection piece with infinitely adjustable bypass and shutoff



Type	Straight
Nominal size	DN 15
Surface	Nickel-plated
Body material	Brass
Max. operating pressure	10 bar

Operating temperature	2 to 120 °C
Medium	Water Water-glycol mixture
One pipe*	Yes
Two pipe*	No

Pipe connection	Distance between pipe centres *(mm)*	Suitable for reversed supply and return	Description	Item No.
G ¾ external	50	No	With radiator insulating fitting	1013161
G ¾ external	50	No	With brass fitting	1013162
G ¾ external	50	Yes	With radiator insulating fitting	1013164
M 24 x 1.5 external	35	No	With brass fitting	1182151

One pipe valve with immersison pipe, fixed bypass and shutoff



Type	Vertical connection
Nominal size	DN 15
Thermostat thread	M 30 x 1.5
Surface	Nickel-plated
Body material	Brass
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C

Medium	Water Water-glycol mixture
One pipe*	Yes
Two pipe*	No
Suitable for reversed supply and return	No

Distance between pipe centres *(mm)*	Item No.
50	1183571

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

A Thermostatic valve



Thermostat thread	M 30 x 1.5
Surface	Nickel-plated
Body material	Brass
Max. operating pressure	10 bar
Operating temperature	2 to 120 °C
Medium	Water-glycol mixture Water

One pipe*	Yes
Two pipe*	Yes
Suitable for reversed supply and return	No

Nominal size	Type	Item No.
DN 15	Straight with elbow	1181304
DN 15	Double angle left	1181392
DN 15	Double angle right	1181393
DN 15	Reversed angle	1181404

Connecting pipe



Description	Item No.
15 x 560 mm, steel, chrome-plated	1016951
15 x 1120 mm, steel, chrome-plated	1016953

Ofix CEP Compression fitting



Description	Item No.
For connecting pipe, 2-fold for internal thread, G ½ external thread x 15 mm, metal to metal sealing	1016853

Ofix CEP Compression fitting M 24 x 1.5



Description	Item No.
For copper pipes, 2-fold, 15 mm, metal to metal sealing	1016813

Ofix K Compression fitting M 24 x 1.5



Description	Item No.
For plastic pipes, 2-fold, 14 x 2.0 mm, metal to metal sealing	1016823
For plastic pipes, 2-fold, 16 x 2.0 mm, metal to metal sealing	1016824

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system

Covering rosette made of plastic



Description	Item No.
For connecting pipe, flat, distance between pipe centres 35 mm, 14-16 mm perforation	1016684



Elbow

Description	Item No.
G ¾ union nut x G ¾ external thread	1189361

Accessories for three-way conversion valves (discontinued)



Presetting key

Description	Item No.
For three-way conversion valves	1010599



Fitting

Description	Item No.
DN 15, weldable tailpipe and union nut G ¾ internal thread, flat sealing to the pipework	1019374
DN 20, weldable tailpipe and union nut G 1 internal thread, flat sealing to the pipework	1019376
DN 15, G ½ internal thread / union nut G ⅞ internal thread, flat sealing to the bypass pipe	1019384
DN 20, G ¾ internal thread / union nut G 1 ⅛ internal thread, flat sealing to the bypass pipe	1019386
DN 15, R ½ external thread / union nut G ¾ internal thread, flat sealing to the radiator	1019394
DN 20, R ½ external thread / union nut G 1 internal thread, flat sealing to the radiator	1019396



Tailpipe set

For S-connection fitting

Description	Item No.
Weldable tailpipe for valve DN 15, steel, 2-fold	1060592
Weldable tailpipe for valve DN 20, steel, 2-fold	1060593
Externally threaded tailpipe, R ½ for valve DN 15, brass, 2-fold	1061492
Externally threaded tailpipe, R ¾ for valve DN 20, brass, 2-fold	1061493



Replacement valve insert

Thermostat thread	Item No.
M 30 x 1.0	1017056
M 30 x 1.5	1187056

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Two pipe valves with shutoff



The Bypass Combi Duo system is used in two pipe central heating systems with forced circulation, regardless of the type of heating.

The two pipe valves allow for an efficient, cost-saving installation and easy dimensioning of two pipe heating systems. The possibility of shutting off the supply and return to the radiator means that it can also be removed while the heating system is running.

A two pipe connection piece, a connecting pipe and a reversed angle valve, a double angle valve or a straight valve with elbow, as well as a compression fitting set are required for the implementation. If the thermostat is to face forward, the double angle valve or the straight valve with elbow must be selected instead of the reversed angle valve. The thermostat must be ordered separately.



Duo Two pipe connection piece with infinitely variable presetting and shutoff

Body material	Brass
Surface	Nickel-plated
Operating temperature	2 to 120 °C
Max. operating pressure	10 bar

Medium	Water Water-glycol mixture
One pipe*	No
Two pipe*	Yes

Nominal size	Pipe connection	Distance between pipe centres *(mm)*	Item No.
DN 15	M 24 x 1.5 external	35	1182651



Duo Two pipe connection piece with shutoff

Body material	Brass
Surface	Nickel-plated
Operating temperature	2 to 120 °C
Max. operating pressure	10 bar

Medium	Water Water-glycol mixture
One pipe*	No
Two pipe*	Yes

Nominal size	Pipe connection	Distance between pipe centres *(mm)*	Item No.
DN 15	G ¾ Eurocone	50	1013361

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



Two pipe valve with immersion tube with shutoff

Type	Vertical connection
Body material	Brass
Surface	Nickel-plated
Operating temperature	2 to 120 °C
Max. operating pressure	10 bar
Medium	Water Water-glycol mixture

One pipe*	No
Two pipe*	Yes
Pipe connection	G ¾ Eurocone
Thermostat thread	M 30 x 1.5

Nominal size	Distance between pipe centres *(mm)*	Item No.
DN 15	50	1183581



Two pipe connection piece

Type	Straight
Body material	Brass
Surface	Nickel-plated
Operating temperature	2 to 120 °C
Medium	Water-glycol mixture Water

One pipe*	No
Pipe connection	G ¾ Eurocone
Radiator connection	R ½
Two pipe*	Yes

Nominal size	Distance between pipe centres *(mm)*	Item No.
DN 15	50	1028750



A Thermostatic valve

Body material	Brass
Surface	Nickel-plated
Operating temperature	2 to 120 °C
Max. operating pressure	10 bar
Medium	Water-glycol mixture Water

One pipe*	Yes
Two pipe*	Yes
Pipe connection	Rp ½
Thermostat thread	M 30 x 1.5

Nominal size	Type	Item No.
DN 15	Straight with elbow	1181304
DN 15	Double angle left	1181392
DN 15	Double angle right	1181393
DN 15	Reversed angle	1181404



Connecting pipe

Description	Item No.
15 x 560 mm, steel, chrome-plated	1016951
15 x 1120 mm, steel, chrome-plated	1016953

One pipe = Suitable for one pipe system
Two pipe = Suitable for two pipe system



Ofix CEP Compression fitting

Description	Item No.
For connecting pipe, 2-fold for internal thread, G ½ external thread x 15 mm, metal to metal sealing	1016853

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1.3

Multidis SF Heating circuit manifolds for surface heating and surface cooling



The **Multidis SF** heating circuit manifolds for surface heating and cooling for 2 - 12 heating circuits are made of stainless steel. The flow distributor is equipped with integrated regulating inserts or with integrated flow measuring and regulating devices. The return collector is equipped with valve inserts with an M 30 x 1.5 connection thread to connect optional actuators. The heating circuit manifolds are completely pre-assembled with fill and drain cocks, vent plugs and end caps. The heating circuit connections with G ¾ external thread are suitable for Oventrop compression fittings. Wall brackets are loosely enclosed. Sound insulation according to DIN 4109. The heating circuit manifolds are designed for use in surface heating and cooling system with forced circulation.

Body material	Stainless steel
Connection thread heating circuits	G ¾ external
Connection thread supply and return	G 1 internal thread
Fill and drain cock	Yes
With valve inserts	Yes
Heating circuits can be shut off	Yes
Ball valve	No
Wall bracket	Yes

Multidis SF with integrated regulating inserts in the flow distributor



Max. operating pressure	10 bar	Operating temperature	-10 up to 90 °C

Heating circuits	Item No.
2	1406552
3	1406553
4	1406554
5	1406555
6	1406556
7	1406557
8	1406558
9	1406559
10	1406560
11	1406561
12	1406562



Multidis SF with integrated flow measuring and regulating devices in the flow distributor

Max. operating pressure	6 bar	Operating temperature	-10 up to 70 °C
Setting range	0 up to 5 l/min		

Heating circuits	Item No.
2	1406352
3	1406353
4	1406354
5	1406355
6	1406356
7	1406357
8	1406358
9	1406359
10	1406360
11	1406361
12	1406362

Hydronic balancing?
Quickly done with OVplan.

You want to design systems with **Multidis SF heating circuit manifolds**? It's easy with our **planning software OVplan**.

Download now **free of charge** at **www.oventrop.com/qr/ovplan**



Multidis SFQ Heating circuit manifolds with **Q-Tech**



The **Multidis SFQ** heating circuit manifolds for surface heating and cooling for 2 - 12 heating circuits are made of stainless steel. The flow distributor is equipped with integrated flow rate indicators or with integrated shut-off devices. The return collector is equipped with QM valve inserts with an M 30 x 1.5 connection thread to connect optional actuators. The special QM valve insert allows for automatic hydronic balancing in central heating and cooling systems with closed circuits. The heating circuit manifolds are completely pre-assembled with fill and drain cocks, vent plugs and end caps. The heating circuit connections with G ¾ external thread are suitable for Oventrop compression fittings. Wall brackets are loosely enclosed. Sound insulation according to DIN 4109. The heating circuit manifolds are designed for use in surface heating and cooling system with forced circulation.

Body material	Stainless steel
Connection thread heating circuits	G ¾ external
Connection thread supply and return	G 1 internal thread
Q-Tech*	Yes
Flow indicator	Flow rate indicator
Fill and drain cock	Yes
With valve inserts	Yes
Heating circuits can be shut off	Yes
Operating temperature	2 up to 60 °C
Presetting key enclosed	Yes
Ball valve	No
Wall bracket	Yes

Multdis SFQ with integrated flow rate indicators in the flow distributor



Heating circuits	Item No.
2	1404952
3	1404953
4	1404954
5	1404955
6	1404956
7	1404957
8	1404958
9	1404959
10	1404960
11	1404961
12	1404962

Q-Tech = Suitable for automatic hydronic balancing

Multidis SFI Manifolds for industrial surface heating / cooling and concrete core activation



The **Multidis SFI** manifolds for industrial surface heating and cooling as well as concrete core activation for 2 - 6 circuits are made of brass. The flow distributor is equipped with ball valves and the return collector with regulating valves. An extension of the circuits up to 20 is possible by connecting the manifold modules. Flow distributor with G 1 external thread for Oventrop compression fittings. Return collector with integrated regulating valves with G 1 external thread. The manifolds are designed for use in industrial surface heating and cooling systems as well as for concrete core activation.



Multidis SFI

Body material	Brass
Connection thread heating circuits	G 1 external thread
Connection thread supply and return	G 2 union nut x G 2 external thread
Q-Tech*	No
Fill and drain cock	No
With regulating valves	Yes

Heating circuits can be shut off	Yes
Operating temperature	2 up to 90 °C
Max. operating pressure	6 bar
Ball valve	No
Extendable	Yes
Wall bracket	No

Heating circuits	Item No.
2	1414452
3	1414453
4	1414454
5	1414455
6	1414456

Cofit S Compression fitting



Description	Item No.
20 x 2.0 mm x G 1 union nut	1507969
26 x 3.0 mm x G 1 union nut	1507979

Q-Tech = Suitable for automatic hydronic balancing



Wall bracket

Description	Item No.
For Multidis SFI for industrial surface heating/cooling and concrete core activation steel, galvanised, height and depth adjustable, 2-fold with two pipe clamps including sound insulation inserts and quick fastener	1414490



Cap

Description	Item No.
For Multidis SFI for industrial surface heating/cooling and concrete core activation brass, G 2 internal thread, 2-fold	1414493



Ball valve

Description	Item No.
For Multidis SFI for industrial surface heating/cooling and concrete core activation, DN 50, G 2 internal thread x G 2 external thread	1406586



Optiflex Ball valve

Description	Item No.
For Multidis SH/SF/SFQ/SFI, for filling and venting, DN 15, G ½	1033314

Heat meter connection sets



Heat meter connection sets are matched for use with Multidis heating circuit manifolds for surface heating and cooling.

Commercially available heat meters with flat sealing housings with the following dimensions can be retrofitted in the return pipe:
- Length 110 mm and G 3/4 external thread
- Length 130 mm and G 1 external thread

Max. operating pressure	10 bar
Consisting of	Control valve or ball valve Meter spacer, plastic Ball valve with temperature sensor connection (2x) Fittings and accessories



Heat meter connection set for Multidis SF with Hycocon VTZ

Kvs	2.70

Pipe connection	Type	Item No.
G ¾ internal thread	Angle	1404578
G ¾ internal thread	Straight	1404579
G 1 internal thread	Angle	1404580
G 1 internal thread	Straight	1404581



Heat meter connection set for Multidis SF with Hycocon DTZ

Kvs	2.70

Pipe connection	Type	Item No.
G 1 internal thread	Angle	1404682
G 1 internal thread	Straight	1404683



Heat meter connection set for Multidis SF with Cocon QDP

Pipe connection	Type	Control range *(l/h)*	Item No.
G ¾ internal thread	Angle	up to 1,350	1404884
G ¾ internal thread	Straight	up to 1,350	1404885
G 1 internal thread	Angle	up to 1,350	1404886
G 1 internal thread	Straight	up to 1,350	1404887



Heat meter connection set for Multidis SF with Cocon QTZ

Q-Tech*	Yes

Pipe connection	Type	Control range *(l/h)*	Item No.
G 1 internal thread	Angle	150 up to 1,050	1404880
G 1 internal thread	Straight	150 up to 1,050	1404881
G 1 internal thread	Angle	180 up to 1,300	1404882
G 1 internal thread	Straight	180 up to 1,300	1404883



Heat meter connection set for Multidis SFQ with ball valves

Pipe connection	Type	Item No.
G ¾ internal thread	Angle	1405578
G ¾ internal thread	Straight	1405579
G 1 internal thread	Angle	1405580
G 1 internal thread	Straight	1405581

Q-Tech = Suitable for automatic hydronic balancing

Multidis - Accessories and spare parts



Cofit S Compression fitting for G ¾ external thread

According to DIN EN 16313, clamping ring and union nut made of brass, union nut nickel-plated, outlet made of bronze, metal to metal sealing plus O-ring.
Suitable for Copipe multi-layer composite pipes and, with the same processing method, also for plastic pipes.

Description	Item No.
14 x 2,0 mm x G ¾ union nut, 2-fold	1507934
16 x 2.0 mm x G ¾ union nut, 2-fold	1507935
17 x 2.0 mm x G ¾ union nut, 2-fold	1507937
18 x 2.0 mm x G ¾ union nut, 2-fold	1507938
20 x 2.0 mm x G ¾ union nut, 2-fold	1507939
20 x 2.5 mm x G ¾ union nut, 2-fold	1507940



Ofix K for G ¾ external thread

2-fold, for plastic pipes according to DIN EN 4726, PE-X according to DIN 16892/16893, PB according to DIN 16968 and PP according to DIN 8078 A1, metal to metal sealing plus O-ring.

Description	Item No.
12 x 2.0 mm, 2-fold	1016870
14 x 2.0 mm, 2-fold	1016873
16 x 2.0 mm, 2-fold	1016874
17 x 2.0 mm, 2-fold	1016876
18 x 2.0 mm, 2-fold	1016877 °
20 x 2.0 mm, 2-fold	1016879
16 x 1.5 mm, 2-fold	1016882
12 x 1.1 mm, 2-fold	1016883
15 x 2.5 mm, 2-fold	1016885



Double fitting (2-fold)

Description	Item No.
For heat meter connection sets, G 1 external thread x G 1 union nut	1699085



Coupling

Description	Item No.
For connecting two Multidis SF heating circuit manifolds, G 1 x G ¾	1407206

° Production will be discontinued



Surface-mounted cabinet

For Multidis SF/SFQ heating circuit distributors.
Steel, galvanised. Frame and door white lacquered.

Description	Item No.
No. 1, W 600 x H 760-870 x D 160 mm	1401171
No. 2, W 750 x H 760-870 x D 160 mm	1401172
No. 3, W 1000 x H 760-870 x D 160 mm	1401173
No. 4, W 1250 x H 760-870 x D 160 mm	1401174

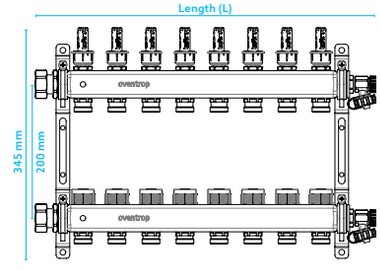


Flush-mounted cabinet

For Multidis SF/SFQ heating circuit manifolds.
Steel, galvanised. Frame and door white lacquered. With removable screen.

Description	Item No.
No. 1, W 560 x H 760-885 x D 115-180 mm	1401151
No. 2, W 700 x H 760-885 x D 115-180 mm	1401152
No. 3, W 900 x H 760-885 x D 115-180 mm	1401153
No. 4, W 1200 x H 760-885 x D 115-180 mm	1401154

When using heat meter connection sets, the sum of installation length and distributor/collector length must be taken into account.



Outlets	Length (L)	Cabinet no.	Length (L) with ball valve item no. 1406383	Cabinet no.
2	205 mm	1	255 mm	1
3	255 mm	1	305 mm	1
4	305 mm	1	355 mm	1
5	355 mm	1	405 mm	1
6	405 mm	1	455 mm	1
7	455 mm	1	505 mm	2
8	505 mm	2	555 mm	2
9	555 mm	2	605 mm	2
10	605 mm	2	655 mm	3
11	655 mm	3	705 mm	3
12	705 mm	3	755 mm	3



Replacement set for flush-mounted cabinet

Description	Item No.
For item no. 1401152, with door, frame and screed cover	1401192
For item no. 1401151, with door, frame and screed cover	1401193
For item no. 1401153, with door, frame and screed cover	1401195
For item no. 1401154, with door, frame and screed cover	1401196

Mounting compensation



Description	Item No.
For mounting the Multidis heating circuit manifolds in the cabinet if the piping does not allow it to be mounted at the intended location	1408015

Cylinder lock



Description	Item No.
With key for surface-mounted cabinets (item no. 1401171-74)	1401190
With key for flush-mounted cabinets (item no. 1401151-54) and all Regudis W cabinets	1401191

Angle connection set

For bottom connection to heating circuit manifolds when using surface-mounted cabinets.



Description	Item No.
for Multidis SF/SFQ heating circuit manifolds	1404780

Ball valve, flat sealing



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406383
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406384

Ball valve, flat sealing, with red T-handle and thermometer



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406483 °
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406484

° Production will be discontinued

Ball valve, flat sealing, with blue T-handle and thermometer



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 20	1406583
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406584

Ball valve, flat sealing, with temperature sensor connection M 10 x 1.0



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, DN 25	1406708

Ball valve with Eurocone

For shutting off the heating circuits at the manifold.



Description	Item No.
For Multidis SH/SF/SFQ heating circuit manifolds, G ¾ external thread x G ¾ union nut	1406504

Optiflex Fill and drain ball valve

Self-sealing, with lock nut, hose fitting (soft sealing) and cap.



Description	Item No.
For Multidis SH/SF/SFQ/SFI, for filling and venting, DN 15, G ½	1033314

Overflow device

For the right hand side connection to the heating circuit manifold. To avoid flow noises.



Description	Item No.
For Multidis SF heating circuit manifolds, G ¾ external thread	1404790



Vent plug

Description	Item No.
G ⅜, self-sealing, set = 10 pieces, for heating circuit manifolds (manufactured until 2021)	1400392



Cap

Description	Item No.
G ¾ internal thread	1400692
G 1 internal thread	1400693



Thermometer

Description	Item No.
For brass heating circuit manifolds	1404095



Ring spanner

Description	Item No.
For mounting the compression fittings, spanner size 30/32 mm	1401091



Replacement valve insert

Description	Item No.
For Multidis SF heating circuit manifolds	1404091
for Multidis SFQ heating circuit manifolds	1408023



Replacement flow measuring and regulating device

Description	Item No.
For Multidis SF heating circuit manifolds (manufactured from 2021)	1408038
For Multidis SF heating circuit manifolds (manufactured until 2021)	1408050



Replacement flow rate indicator

Description	Item No.
for Multidis SFQ heating circuit manifolds (manufactured from 2021)	1408040



Replacement fill and drain cock

Description	Item No.
For Multidis SF/SFQ heating circuit manifolds (frontal mounting, manufactured from 2021 to the end of 2022)	1408006
For Multdis SF/SFQ heating circuit manifolds (frontal or suspended mounting, from mid-2022)	1408104
For Multidis SF heating circuit manifold (suspended mounting)	1408130



Replacement wall bracket

Description	Item No.
For Multidis SF/SFQ heating circuit manifolds, with two pipe clamps, including sound insulation, 1-fold	1408010
For Multidis SF/SFQ heating circuit manifolds (from mid-2022)	1408110



Replacement differential pressure control valve

Description	Item No.
For heat meter connection sets with Hycocon DTZ, DN 20, G 1 external thread, with measuring and drain valve	1062166



Replacement thermal actuator, connection thread M 30 x 1.5

Description	Item No.
On/off control, normally closed, 24 V, 1.0 m cable	1012416

1.3 Surface heating and cooling

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Cofloor - Accessories and spare parts



Replacement Cofit P Press connection with external thread

Suitable for **Copipe HSC** multi-layer composite pipes and, with the same processing method, also for plastic pipes. Casing made of stainless steel.

Description	Item No.
16 x 2.0 mm x R ½, bronze	1512043
20 x 2.5 mm x R ½, bronze	1512045
26 x 3.0 mm x R ¾, dezincification resistant brass	1512048
32 x 3.0 mm x R 1, dezincification resistant brass	1512051
40 x 3.5 mm x R 1 ¼, dezincification resistant brass	1512054
50 x 4.5 mm x R 1 ½, dezincification resistant brass	1512056
63 x 6.0 mm x R 2, dezincification resistant brass	1512057



Double threaded fitting

G ¾ conically sealing according to DIN EN 16313 (Eurocone).

Description	Item No.
G ¾ external thread x G ¾ external thread, conically sealing, brass, nickel-plated	1028263
G ¾ external thread x G ¾ external thread, conically sealing, bronze	1504054

1.3 Surface heating and cooling

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Regufloor Control stations for surface heating



The **Regufloor** control stations are used for flow temperature control for surface heating and cooling systems (**Regufloor HC**). In this way, the maximum/minimum permissible flow temperature for surface heating and cooling systems can be maintained. The flow temperature is controlled either by an electronic control in conjunction with an actuator (e.g. weather-compensated) or by a fixed setpoint control via a temperature controller with contact sensor (only for surface heating). Stations are available as directly operated variants as well as with system separation.

All stations are delivered pre-assembled and tested.

High-efficiency pump	Yes
Max. operating temperature primary side	90 °C
Max. operating temperature secondary side	50 °C
Max. operating pressure	6 bar
Pump length	130 mm



Regufloor HW24

Control station for flow temperature control, with Regtronic RHC heating circuit controller, weather-compensated.

Connection thread heating circuits	G ¾ external
Pump type	Wilo PARA 15-130/6-43/SC-12

Heating circuit controller	Max. heating output (kW)	STL*	Temperature control	Weather-compensated	Item No.
Yes	15	Yes	Electronic	Yes	1151801 ⁘



Regufloor HN24

Control station for fixed setpoint flow temperature control.

Connection thread heating circuits	G 1 external thread
Pump type	Wilo PARA 15-130/6-43/SC-9
Setting range temperature	20 50 °C

Heating circuit controller	Max. heating output (kW)	STL*	Temperature control	Weather-compensated	Item No.
Extendable	15	Yes	Thermostatic	No	1151601



Regufloor HX

Control station with heat exchanger for system separation.

Connection thread heating circuits	G ¾ external
Pump type	Wilo Para Ku 15-130/6-43/SC-3H

Heating circuit controller	STL*	Temperature control	Weather-compensated	Item No.
No	No	Thermostatic	No	1151065

STL = Safety temperature limiter

⁘ New in the catalogue 2026

Regufloor - Accessories and spare parts

Three-way diverting valve



Description	Item No.
With S-connection fittings	1151081 °

Aktor M Motorised actuator 24 V, connection thread M 30 x 1.5



Description	Item No.
0 - 10 V, on/off and floating control, 1.5 m cable	1012725
0 - 10 V control, with position feedback, 1.5 m cable	1012726

Aktor M Motorised actuator 230 V, connection thread M 30 x 1.5



Description	Item No.
On/off and floating control, 1.5 m cable	1012729

Aktor T 2P Thermal actuator



Description	Item No.
On/off control, normally closed, 24 V, 1.0 m cable	1012416

° Production will be discontinued

Replacement safety temperature monitor



Description	Item No.
For Wilo pump E15/1-5, with cabling	1151087

Replacement temperature controller



Description	Item No.
With contact sensor, control range 20 °C - 50 °C	1151082

Replacement high-efficiency pump



Description	Item No.
For Regufloor HW/HC/H, Wilo-Yonos PARA RS 15/6, without pump cable	1151088

Replacement high-efficiency pump Axial



Description	Item No.
For Regufloor HN, Wilo-Yonos PARA RSB 15/6 with axial pump housing, without pump cable	1151089

Control sets for surface heating systems



The control sets for surface heating are used to control the flow temperature of a surface heating system, e.g. for combined radiator and surface heating systems. The desired flow temperature is set at the temperature controller. The safety temperature monitor switches off the circulation pump as soon as the set value is exceeded due to a malfunction. The bypass valve is used to regulate the volume flow of the surface heating circuit. The control set is available for floor areas up to 85 m², 120 m² and 200 m². Advantages of the control set: all components from only one supplier, uniform warranty, coordinated components, simple installation, flow temperature infinitely adjustable between 20 °C - 50 °C, temperature setting can be limited and blocked as desired and connection possibility to all common surface heating pipes. The control set consists of a straight valve, a bypass valve, a temperature controller with contact sensor and a safety temperature monitor.

Set 1 for surfaces up to 85 m²



Consisting of	Item No.
- Thermostatic valve DN 15, brass, nickel-plated, straight version - Bypass valve DN 20, brass, nickel-plated, straight version - Temperature controller with contact sensor and heat-conducting base, capillary 2 m, control range 20 °C – 50 °C - Safety temperature monitor with concealed temperature setting, control range 20 °C - 90 °C	1144251

Set 2 for surfaces up to 120 m²



Consisting of	Item No.
- Thermostatic valve DN 20, brass, nickel-plated, straight version - Bypass valve DN 25, brass, nickel-plated, straight version - Temperature controller with contact sensor and heat-conducting base, capillary 2 m, control range 20 °C – 50 °C - Safety temperature monitor with concealed temperature setting, control range 20 °C - 90 °C	1144252

Set 3 for surfaces up to 200 m²



Consisting of	Item No.
- Tri CTR Three-way diverting and mixing valve DN 20, bronze - Temperature controller with contact sensor and heat-conducting base, capillary 2 m, control range 20 °C – 50 °C - Check valve DN 20, bronze, brass - Safety temperature monitor with concealed temperature setting, control range 20 °C - 90 °C	1144253

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Our design duo
for bathroom renovation.

With our **Unibox for surface heating and a ClimaCon F room thermostat,** you can take bathrooms toa new level of comfort.

The **Unibox with genuine glass cover** is integrated into an existing heating system during renovation. The Unibox noticeably increases comfort in the bathroom thanks to the heated floor. The heat load is still transmitted by a radiator.

With our digital **ClimaCon F room thermostat**, you can intuitively set your comfort temperature of the Eco mode – either directly using the keys or via the app. You can use the app to set time profiles, such as a night setback.

Discover our modular room temperature control solutions at www.oventrop.com

1.3

ClimaCon F Room thermostats for surface heating



2022 2022 2023 2023

2023 2023

The ClimaCon F room thermostats are used to control the temperature of surface heating and cooling systems as well as heating and cooling ceilings. Depending on the room thermostat, switching between heating and cooling is possible.

The simple surface-mounted installation and quick configuration make the product very installer-friendly.
Depending on the model, there are room thermostats with reduced display, with integrated time switch and setting options via app.



ClimaCon F 100 for two pipe applications, heating or cooling, follower

	On/off / PWM	Operation	At the room thermostat
Installation	Surface mounting	Switching h / c*	Via change-over
Setback*	Via leader room thermostat		

Voltage	Suitable for	Sensors*	Item No.
230 V AC	Thermal actuators (on/off), “normally closed”	No	1155010
24 V AC	Thermal actuators (on/off), “normally closed”	No	1155510



ClimaCon F 310 for two pipe applications, heating or cooling, leader

Switching between time programme and manual mode possible.

	On/off / PWM	Switching h / c*	Via change-over
Installation	Surface mounting	Other outputs	1 x potential-free
Setback*	Via time programme (adjustable in the app) Via Eco button at the room thermostat	Communication	Bluetooth
Operation	At the room thermostat With smartphone app		

Voltage	0 - 10 V*	Suitable for	Sensors*	Item No.
230 V AC	No	Thermal actuators (on/off), “normally closed”	No	1155031
24 V AC	Yes	Thermal actuators (on/off), “normally closed” Thermal actuators (0 - 10 V) “normally closed”	Ext. temperature sensor, NTC 10 K	1155531

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling
0 - 10 V = 0 - 10 V output



ClimaCon F 90 for two-pipe applications, heating only/cooling only, follower

	On/off	Setback*	Via leader room thermostat
Installation	Surface mounting	Operation	At the room thermostat

Voltage	Suitable for	Sensors*	Item No.
230 V AC	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	No	1155009



ClimaCon F 316 for four pipe applications heating and cooling with six-way ball valve

	On/off 0 - 10 V	Switching h / c*	Depending on the room temperature
Installation	Surface mounting	Other outputs	1 x potential-free
Setback*	Via time programme (adjustable in the app)	Communication	Bluetooth
Operation	At the room thermostat With smartphone app		

Voltage	Suitable for	Sensors*	Item No.
24 V AC	Rotary actuators for six-way ball valves 0 - 10 V Actuators “normally closed”	Ext. temperature sensor, NTC 10 K Dew point monitor Safety temperature limiter	1155536 °

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling

° Production will be discontinued

	ClimaCon F 90	ClimaCon F 100		ClimaCon F 310	
					
	230V	**230V**	**24V**	**230V**	**24V**
Item no.	1155009	1155010	1155510	1155031	1155531
Application					
Heating only / Cooling only	●	—	—	—	—
Heating or cooling (switchable)	—	●	●	●	●
Heating and cooling	—	—	—	—	—
Display					
Setpoint temperature	●	●	●	●	●
Actual temperature	—	—	—	●	●
Status (heating / cooling)	—	—	—	●	●
Modus (Auto / Eco)	—	—	—	●	●
Setting options					
Temperature setting at the room thermostat	●	●	●	●	●
Temperature setting via time profiles in the app	—	—	—	●	●
Setback activation at the room thermostat	—	—	—	●	●
Timed setback via app	○	○	○	●	●
Setback temperature	4 K	4 K	4 K	flexible via app	flexible via app
Temperature limitation via app	—	—	—	●	●
External limiter function – automatic switch-off when the temperature set via the app is reached	—	—	—	—	●
Limit voltage 0-10 V adjustable	—	—	—	—	—

○ Leader function – only possible if leader room thermostats (ClimaCon F 310) are used

ClimaCon F - Accessories

ClimaCon F 310 Temperature sensor



Description	Item No.
For connection to item no. 1155531 for detecting the temperature in the room or as an external temperature sensor for detecting the surface temperature as a safety temperature limiter. With 3 m connecting cable, NTC 10 K	1155599

1.3

Room thermostats heating, flush mounting



The flush-mounted electric room thermostat is required in conjunction with the Aktor T 2P thermal actuators (on/off) for individual room temperature control.

Heating: Use thermal actuators (on/off) "normally closed". Temperature setback possible via external time switch.

Cooling: Use thermal acutators (on/off) "normally open".

Temperature range between 5 and 30 °C. Setpoint range can be limited by concealed locking clips.



Room thermostat for two-pipe applications, flush mounting

Setpoint range can be limited by concealed locking clips.

On/off	Setback*	Via external time switch (follower function)

Voltage	Suitable for	Item No.
230 V AC	Thermal actuators "normally closed" (heating) Thermal actuators "normally open" (cooling)	1152071

Setback = Temperature setback

Room thermostats heating/cooling



Room thermostats are used in conjunction with motorised or thermal actuators for individual room temperature control in heating and cooling systems. This room thermostat can also be used in three- or four-pipe systems and has an adjustable neutral zone between heating and cooling stage. The temperature is set at the room thermostat.



Room thermostat for four pipe applications, surface mounting

Neutral zone Adjustable between 0.5 K and 7.5 K

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V (2x)	Thermal actuators (0 - 10 V) “normally closed”	1152151

Connecting blocks



The connecting block is used for wiring individual room controls and is used for surface heating and cooling control. With the connecting block, a simple assignment of the individual rooms or heating circuits can be carried out centrally. Depending on the variant, up to 10 zones for heating and cooling systems with up to 18 actuators and 10 room thermostats can be connected to the connecting block. In addition, further components, such as a pump, a change-over signal transmitter, a temperature limiter or dew point sensor can be wired.

Electrical connecting block for surface heating



When using item no. 1400980 / 82 with 24 V, an external power supply of 24 V must be available. Item no. 1153053 can be used as transformer.

Description	Item No.
6 control zones, heating, 24 V / 230 V	1400980
10 control zones, heating / cooling (change-over), pump control, 230 V	1400981
10 control zones, heating / cooling (change-over), pump control, 24 V	1400982
10 control zones, heating / cooling (change-over), pump and boiler control and integrated time switch, 230 V	1400983

FloorCon Electrical connecting block with automatic hydronic balancing for surface heating and cooling



Description	Item No.
FloorCon F 200, without channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400984
FloorCon F 300, with channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400985

Temperature sensor for FloorCon



Replacement temperature sensor, item no. 1029094 can be used as replacement flow temperature sensor.

Description	Item No.
Return temperature sensor for FloorCon F, 850 mm	1029094 °
Return temperature sensor for FloorCon F, 2100 mm	1029095

° Production will be discontinued



Aktor VLT for FloorCon

For adaptive flow temperature control in conjunction with a Regufloor HN24/HW24 or the flow temperature control module of the Regudis W-HTE dwelling station. Maximum temperature adjustable. Can only be used with the FloorCon F 200 or F 300 connecting block.

Item No.
1029085



Aktor T 2P on/off control (PWM)

Description	Item No.
On/off control, “normally closed”, 230 V, 2 m cable	1012452



Sensor LW TH Safety temperature monitor with concealed temperature setting

Description	Item No.
For maximum limitation of the flow temperature in surface heating systems, control range 20 °C - 90 °C	1143000



Safety temperature limiter

Description	Item No.
For max. limitation of the heating circuit temperature, 20 °C - 90 °C	1344583



Sensor GA FD Dew point monitor

Is required in conjunction with room thermostats to protect against condensation on cooling surfaces.

Description	Item No.
For heating/cooling applications to prevent condensation, 24 V, with change-over contact	1141951
for 230 V connecting blocks and 230 V applications (Regufloor HW 24)	1141952 ⁘

Actuators



Thermal and motorised actuators are used for heating, ventilation and air conditioning. The actuators can be used for room temperature control or as zone valves.
Oventrop offers actuators in the variants "normally closed" and "normally open".

All thermal actuators are protected against overvoltage, a varistor is not required.

Oventrop offers motorized actuators with and without communication interfaces.



Aktor T 2P on/off control (PWM)

Valve connection	Connection thread M 30 x 1.5	Stroke	5 mm
Installation position	Position-independent		
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Cable* (m)	Item No.
230 V AC	normally closed	1.00	1012415
230 V AC	"Normally open"	1.00	1012425
230 V AC	"Normally closed" with integrated auxiliary switch	1.00	1012435
230 V AC	normally closed	5.00	1012455
230 V AC	normally closed	10.00	1012459
24 V AC / DC	normally closed	1.00	1012416
24 V AC / DC	"Normally open"	1.00	1012426
24 V AC / DC	normally closed	2.00	1012442



Aktor T ST 0 - 10 V control

Valve connection	Connection thread M 30 x 1.5	Mounting	Plug-in connection with valve adapter
Zero point detection	Yes	Stroke	5 mm
Valve travel detection	Yes		
Installation position	Position-independent		

Voltage	Version	Cable* (m)	Item No.
24 V AC	normally closed	1.00	1012953

 Cable = Cable length

Actuators - Accessories



Valve adapter

Description	Item No.
For valves with squeeze connection	1012463

wibutler Smart Home system



The Smart Home sector includes the networking of several trades within individual dwellings or detached houses. By means of a gateway, various components can be integrated into the Smart Home system and controlled via smartphone, tablet or PC. By connecting the gateway to a commercially available router, remote access is easily possible while on the move.

The intelligent wibutler pro 2 gateway is the heart of the smart home. In addition to surface heating and radiators, other systems such as lighting and shading can also be integrated.

Basic set - surface heating with wibutler pro 2



Scope of delivery	Item No.
1 x wibutler pro 2 item no. 1150791 1 x R-Tronic RT B wireless thermostat item no. 1150780 1 x R-Con eight-channel wireless receiver item no. 1150772	1150793

wibutler



wibutler pro 2 gateway (EnOcean, Zigbee, LAN, WLAN)

The lighting, shading, heating and sanitary, air conditioning, ventilation and security systems can be interconnected with the help of the wibutler gateway.

Operation	With smartphone app With tablet app Via computer Amazon Alexa Google home
System requirements terminals	Apple: at least iOS 9 Android: at least Android 5

Voltage	Item No.
100 - 230 V AC	1150791

R-Tronic Wireless thermostat (EnOcean)



Designation	RT B (EnOcean)	Power supply	Battery-operated
Humidity sensor*	No		
Installation	Surface mounting		
Communication	EnOcean		
EEP*	A5-10-02 A5-10-03 A5-10-04 A5-10-06 A5-10-06 + RPS		

Item No.
1150780

R-Con Multi-channel wireless receiver for surface heating (proprietary radio communication)



Time programme adjustable with R-Tronic wireless thermostats. To be installed in a cabinet, the protective housing item no. 1150776 (see "R-Con Accessories") can be used alternatively.

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Logic module*	Item No.
4 (max. of 4 actuators per channel)	Yes	1150770
4 (max. of 4 actuators per channel)	No	1150771
8 (max. of 4 actuators per channel)	Yes	1150772
8 (max. of 4 actuators per channel)	No	1150773

R-Con T 2P Four-channel extension module (proprietary radio communication)



For R-Con multi-channel wireless receiver.

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Item No.
4 (max. of 4 actuators per channel)	1150775

R-Con HC Extension module heating/cooling (proprietary radio communication)



For R-Con multi-channel radio receiver. For switching between heating and cooling mode via a change-over input. The change-over signal is provided e.g. by a reversible heat pump.

Voltage	230 V AC	Mounting	Carrier rail (DIN EN 60715 TH35)
Communication	Proprietary radio		

Inputs	Item No.
Dew point monitoring, cooling mode is interrupted if the dew point is exceeded	1150774

Humidity sensor = Integrated humidity sensor
EEP = EnOcean Equipment Profile
Logic module = Pump and burner logic

mote 420 Wireless actuator (EnOcean)



Only functions in combination with communication centres / gateways (e.g. with the wibutler gateway) and room thermostats supporting this EnOcean Equipment Profile.

Communication	EnOcean	Battery lifespan	About 2 years
Power supply	Battery-operated		

Valve connection	EEP*	Item No.
Connection thread M 30 x 1.5	A5-20-01	1150766

wibutler

FK-C F Wireless window contact (EnOcean)



With EnOcean radio technology. Transmits a radio signal when opening or closing a window. Compatible with R-Tronic wireless thermostats (mains operated), wireless room module (DynaTemp CR-BSX) and wibutler gateway.

Power supply	EEP*	Colour	Item No.
Solar-powered	D5-00-01	White	1153071

wibutler

R-Tronic System for individual room temperature control



The R-Tronic wireless thermostats with closed radio communication (proprietary) are used in stand-alone operation in connection with wireless actuators to control radiators or in connection with a multi-channel wireless receiver to control surface heating systems.

The temperature setting as well as the storage of time programmes is carried out at the wireless thermostat. Depending on the model, an additional measurement of the relative humidity in % is possible.

Power is supplied by batteries or a power supply unit (100 - 240 V). For the battery-operated models, power supply via the mains is possible as an alternative.

In battery operation, up to 3 participants can be taught in, in mains operation, up to 8 participants can be taught in. In mains operation it is also possible to teach in window contacts.



R-Tronic Wireless thermostat (proprietary radio communication)

Designation	RT B	Communication	Proprietary radio
Installation	Surface mounting	Power supply	Battery-operated

Humidity sensor*	Item No.
No	1150680



wiburtler

R-Con Multi-channel wireless receiver for surface heating (proprietary radio communication)

Time programme adjustable with R-Tronic wireless thermostats. To be installed in a cabinet, the protective housing item no. 1150776 (see "R-Con Accessories") can be used alternatively.

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Logic module*	Item No.
4 (max. of 4 actuators per channel)	Yes	1150770
4 (max. of 4 actuators per channel)	No	1150771
8 (max. of 4 actuators per channel)	Yes	1150772
8 (max. of 4 actuators per channel)	No	1150773



wiburtler

R-Con T 2P Four-channel extension module (proprietary radio communication)

For R-Con multi-channel wireless receiver

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Item No.
4 (max. of 4 actuators per channel)	1150775

Humidity sensor = Integrated humidity sensor
Logic module = Pump and burner logic



R-Con HC Extension module heating/cooling (proprietary radio communication)

For R-Con multi-channel radio receiver. For switching between heating and cooling mode via a change-over input. The change-over signal is provided e.g. by a reversible heat pump.

Voltage	230 V AC	Mounting	Carrier rail (DIN EN 60715 TH35)
Communication	Proprietary radio		

Inputs	Item No.
Dew point monitoring, cooling mode is interrupted if the dew point is exceeded	1150774

wiburtler



Aktor T 2P Thermal actuator, on/off control

Installation position	Position-independent		
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Valve connection	Cable* *(m)*	Item No.
230 V AC	normally closed	Connection thread M 30 x 1.5	1.00	1012415
24 V AC / DC	normally closed	Connection thread M 30 x 1.5	1.00	1012416



mote 320 Wireless actuator (proprietary radio communication)

Only in conjunction with R-Tronic wireless thermostats (proprietary radio communication).

Power supply	Battery-operated	Communication	Proprietary radio
Battery lifespan	About 2 years	Valve connection	Connection thread M 30 x 1.5

Item No.
1150665

R-Tronic - Accessories

Flush-mounted power supply unit with wall bracket



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150692

Plug-in power supply unit with table stand



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150694

Cover frame



Description	Item No.
For covering flush-mounted boxes (milled hole up to Ø 83 mm, e.g. Switzerland), cover 88 x 88 mm, traffic white (RAL 9016)	1150693

Wireless repeater (EnOcean)



Description	Item No.
For amplification of EnOcean radio telegrams to increase the radio range, 230 V AC, 50 Hz, flush mounting	1153060

Protective housing with carrier rail



Description	Item No.
Alternative to mounting in the cabinet, 230 V, surface mounting	1150776



Antenna extension

Description	Item No.
With SMA screw terminal, antenna length 1 m, surface mounting, white glossy (RAL 9003)	1150777

1.3 Surface heating and cooling

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Elegant genuine glass. Our Unibox for surface heating systems.

You will love this comfort: A room temperature regulated according to your wishes. With optional radio control via **R-Tronic** wireless thermostat.

Your highlight: Our **Unibox** with genuine glass cover, crafted in a high-quality design and available in different colours and styles. And the tolerance compensation guarantees optimum positioning of the cover.

Find out more about the **Unibox** and our modular solutions for room temperature control at

unibox.oventrop.com

Unibox Return temperature control



The **Unibox** return temperature control is used for surface tempering of rooms with a size of up to 20 m², such as the bathroom. The Uniboxes are particularly suitable for retrofitting a surface tempering system in heating systems in combined use with radiators. The **Unibox** consists of a wall mounting box with thermostatic valve, an integrated return temperature limiter, a vent and flush valve and a cover with integrated handwheel. The cover of the Unibox E RTL is closed. The setpoint range is adjustable between 10 °C and 50 °C for the **Unibox RTL** and between 20 °C and 40 °C for the **Unibox E-RTL**. The cover with the integrated handwheel enables angle and depth compensation of the flush-mounted box installed in the wall.

Return temperature control	Yes	Pipe connection	G ¾
Cover	Yes	Venting	Yes
Room temperature control	No	Presetting	No

Unibox RTL plastic white



Operation	Handwheel	Cover colour	White
Cover*	Plastic	Operating element colour	White

Item No.
1022735

Unibox RTL genuine glass white



Operation	Handwheel	Cover colour	White
Cover*	Genuine glass	Operating element colour	Chrome

Item No.
1022750

Unibox RTL genuine glass black



Operation	Handwheel	Cover colour	Black
Cover*	Genuine glass	Operating element colour	Dark chrome

Item No.
1022751

Cover = Material of the cover



Unibox E-RTL

Operation	Internal

Cover*	Cover colour	Item No.
Plastic	White	1022731
Genuine glass	White	1022760
Genuine glass	Black	1022761

Cover = Material of the cover

Unibox Room temperature control and return temperature control



The **Unibox** room and return temperature control is used for surface tempering of rooms with a size of up to 20 m², such as the bathroom. The Uniboxes are particularly suitable for retrofitting a surface tempering system in heating systems in combined use with radiators. The **Unibox** is also used for individual room temperature control. The **Unibox** consists of a wall mounting box with presettable thermostatic valve, an integrated return temperature limiter, a vent and flush valve, a valve insulation and a cover with integrated thermostat. The cover of the Unibox T-RTL R-Tronic and TQ-RTL R-Tronic is closed. The setpoint range is adjustable between 20 °C and 40 °C (return temperature) and between 7 °C and 28 °C (room temperature). The cover with the integrated thermostat enables angle and depth compensation of the flush-mounted box installed in the wall.

Return temperature control	Yes	Venting	Yes
Room temperature control	Yes	Presetting	Yes
Pipe connection	G ¾		

2021 2019

Unibox T-RTL plastic white



Cover	Yes	Cover colour	White
Operation	Thermostat	Operating element colour	White
Cover*	Plastic	Q-Tech	No

Item No.
1022733

Unibox T-RTL genuine glass white



Cover	Yes	Cover colour	White
Operation	Thermostat	Operating element colour	Chrome
Cover*	Genuine glass	Q-Tech	No

Item No.
1022770

Unibox T-RTL genuine glass black



Cover	Yes	Cover colour	Black
Operation	Thermostat	Operating element colour	Dark chrome
Cover*	Genuine glass	Q-Tech	No

Item No.
1022771

Cover = Material of the cover

Unibox T-RTL R-Tronic



Suitable for radio control with an R-Tronic wireless thermostat (not compatible with wibutler).

Cover	Operation	Cover*	Cover colour	Item No.
Yes	Radio	Plastic	White	1022737
Yes	Radio	Genuine glass	White	1022772

Unibox T-RTL vario (basic model)



Cover must be ordered separately (accessory).

Cover	No	Cover*	No cover
Operation	Internal		

Item No.
1022734

Unibox TQ-RTL



Cover	Yes	Q-Tech	Yes
Operation	Thermostat		

Cover*	Cover colour	Operating element colour	Item No.
Plastic	White	White	1022739
Genuine glass	White	Chrome	1022780
Genuine glass	Black	Dark chrome	1022781

Unibox TQ-RTL R-Tronic



Suitable for radio control with an R-Tronic wireless thermostat (not compatible with wibutler).

Cover	Yes	Cover colour	White
Operation	Radio	Q-Tech	Yes

Cover*	Item No.
Plastic	1022738
Genuine glass	1022782

Unibox TQ-RTL vario (basic model)



Cover must be ordered separately (accessory).

Cover	No	Cover*	No cover
Operation	Internal	Q-Tech	Yes

Item No.
1022736

Unibox - Accessories and spare parts



R-Tronic R-TB Wireless thermostat (EnOcean) for Unibox T-RTL R-Tronic and Unibox TQ-RTL R-Tronic

In conjunction with the Unibox not compatible with wibutler.

Description	Item No.
For the connection to Smart Home gateways (e.g. wibutler), with EnOcean radio technology, surface mounting, battery-operated	1150780

wibutler



ClimaCon F 90 Room thermostat for two pipe applications, heating only/cooling only, follower

For Unibox T vario, TQ vario, T-RTL vario, TQ-RTL vario and E BV vario.

Operation At the room thermostat

Voltage		Suitable for	Item No.
230 V AC	On/off	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009



Aktor T 2P Thermal actuator

For Unibox T vario, TQ vario, T-RTL vario, TQ-RTL vario and E BV vario.

Description	Item No.
On/off control, “normally closed”, 230 V	1012415
On/off control, “normally closed”, 230 V, 2 m cable	1012452



Uni FHU Thermostat with remote control

Description	Item No.
White, 2 m capillary tube	1012595
White, 5 m capillary tube	1012596
White, 10 m capillary tube	1012597



Cover

Cover*	Cover colour	Item No.
Genuine glass	White	1022774
Genuine glass	Black	1022775
Plastic	White	1022776



Duo connection piece

Description	Item No.
For the connection of two heating circuits, 1 x G ¾ union nut, 2 x G ¾ external thread	1022655



Extension

Description	Item No.
For thermostatic valves and Uniboxes (manufactured until 2019), 20 mm	1022698



Extension

Description	Item No.
For Unibox RTL, for RTLH valves, 20 mm	1022699



Valve insert

Description	Item No.
For reversed supply and return pipe, for Unibox and RTL valves	1026970
For Unibox and RTLH valves, M 30 x 1.5	1026981
For AV 9, CV 9 , RFV 9, and E thermostatic valves, Multiblock T-RTL and Unibox, M 30 x 1.5, DN 10 - DN 20, kv = 0.67	1187047
For AQ, RFQ and EQ thermostatic valves, Multiblock TQ and TQ-RTL, Multiflex FQ as well as Unibox TQ and TQ vario, 10 - 170 l/h, M 30 x 1.5	1187065
For reversed supply and return pipe, for A, AV 9, ADV 9, CV 9, E, AF, RF and RFV 9 thermostatic valves, Multiblock T, TU and TFU as well as Unibox, M 30 x 1.5, with presetting	1187078



Replacement thermostat for Unibox RTL

Description	Item No.
For Unibox RTL	1027635



Replacement cover for Unibox E-RTL and Unibox RLA vario

Cover*	Cover colour	Item No.
Genuine glass	White	1022764
Genuine glass	Black	1022765
Plastic	White	1022766



Replacement cover for Unibox RTL

With integrated handwheel.

Cover*	Cover colour	Item No.
Genuine glass	White	1022787
Genuine glass	Black	1022788
Plastic	White	1022789



Replacement cover for Unibox T, T-RTL, TQ-RTL and E BV

With integrated thermostat.

Cover*	Cover colour	Item No.
Genuine glass	White	1022777
Genuine glass	Black	1022778
Plastic	White	1022779



Replacement cover for Unibox (manufactured until 2019)

Cover*	Plastic

Cover colour	Item No.
White	1022693
Chrome-plated	1022694



Replacement cover for Unibox (manufactured until 2000)

Description	Item No.
For Unibox RTL, T and plus, plastic, white, depth 110 mm	1022691



Replacement valve insulation for Uniboxes with thermostatic control

Description	Item No.
For Unibox T, T-RTL, E BV and T-RTL vario	1022792
For Unibox TQ, TQ-RTL and TQ-RTL vario	1022794

1.3 Surface heating and cooling

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1.3

Unidis Connection without manifold for surface heating



Unidis is a surface heating system with decentralised distribution. The supply and return pipes are laid directly on the bare floor, so that no manifold is required. Surface heating systems have long been standard in new housing construction. They offer a high level of comfort and increased living quality. At the same time, surface heating systems save energy and costs. An essential component of the **Unidis** surface heating system is the **Unibox E BV** featuring a patented integrated bypass that can be individually adjusted for each room.

Advantages of the system are:
- no laying bottlenecks due to the supply pipes from the central distributor to the individual rooms
- no uncontrolled heat dissipation due to supply and return pipes
- hallways larger than 6 m^2 have their own thermostatically controlled heating circuit
- increased sound insulation
- savings potential of up to 9% in combination with the **Unibox E BV**

Floorbox UH horizontal riser connection



Consisting of	Item No.
Supply: Ball valve with temperature sensor connection Return: Hycocon VTZ Double regulating valve Meter spacer Ball valve with coupling Vent / flush valve Flat seals	1022668

Floorbox UV vertical riser connection



Consisting of	Item No.
Supply: Ball valve with temperature sensor connection Return: Hycocon VTZ Double regulating valve Meter spacer Ball valve with coupling Vent / flush valve Flat seals	1022669

Unibox E BV Room temperature control with bypass



Presetting	Yes	Room temperature control	Yes
Operation	Thermostat	Return temperature control	No
Cover	Yes	Venting	Yes

Cover*	Cover colour	Operating element colour	Item No.
Plastic	White	White	1022724 °

Cover = Material of the cover

° Production will be discontinued



Unibox E BV vario (basic model) Room temperature control with bypass

Presetting	Yes	Room temperature control	Yes
Operation	Without	Return temperature control	No
Cover	No	Venting	Yes

Cover*	Item No.
No cover	1022725



Unibox RLA vario (basic model) Flush-mounted box for return shutoff

Presetting	Yes	Cover	No
Operation	Without	Venting	Yes

Cover*	Item No.
No cover	1022726



Unibox T Room temperature control

Pipe connection	G ¾	Room temperature control	Yes
Presetting	Yes	Return temperature control	No
Operation	Thermostat	Venting	Yes
Cover	Yes		

Cover*	Cover colour	Operating element colour	Item No.
Plastic	White	White	1022722



Unibox T vario (basic model) Room temperature control

Pipe connection	G ¾	Room temperature control	Yes
Presetting	Yes	Return temperature control	No
Operation	Without	Venting	Yes
Cover	No		

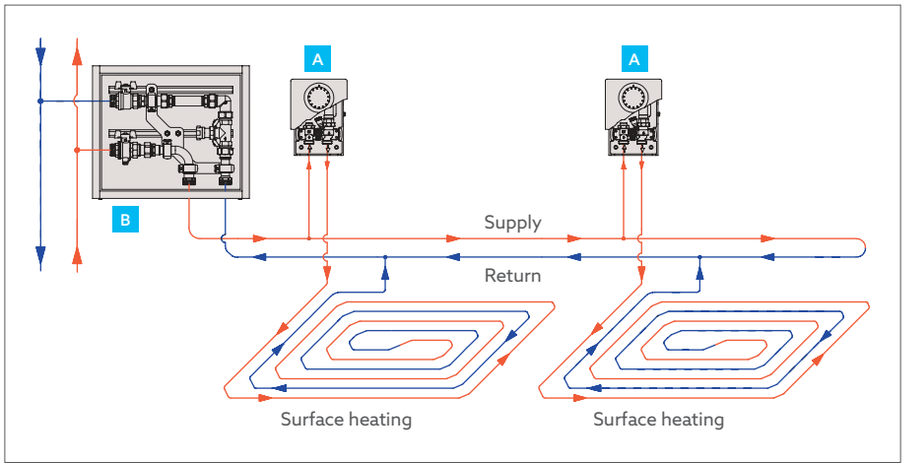
Cover*	Item No.
No cover	1022723



Unibox TQ vario (basic model) Room temperature control with Q-Tech

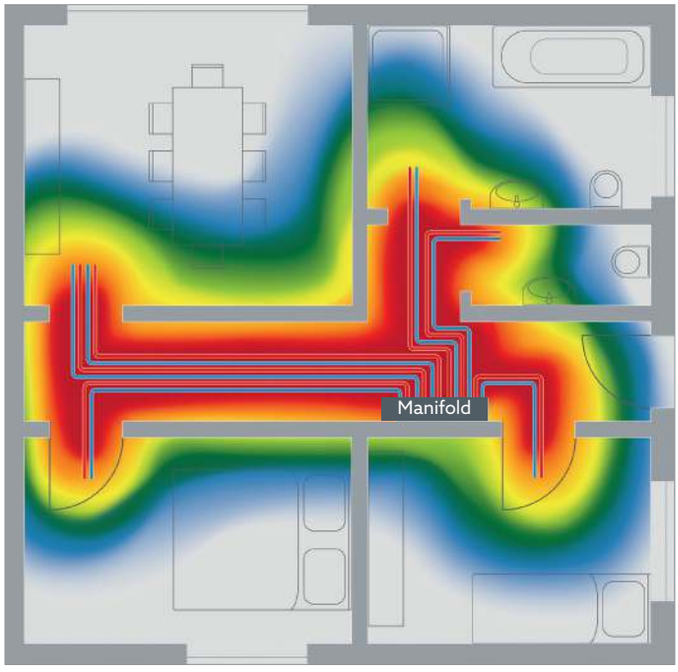
Pipe connection	G ¾	Q-Tech	Yes
Presetting	Yes	Room temperature control	Yes
Operation	Without	Return temperature control	No
Cover	No	Venting	Yes

Cover*	Item No.
No cover	1022729

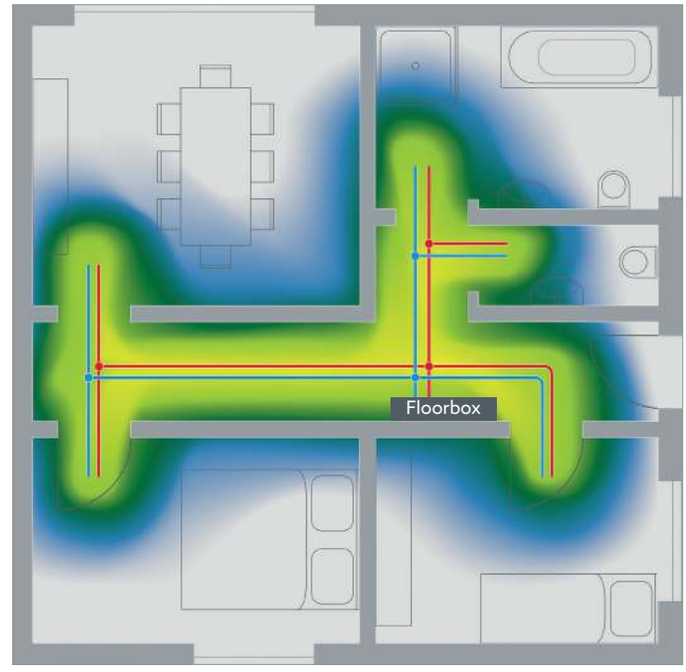


Installation example
Unidis Surface heating system

A	**Unibox E BV** Room temperature control	1022725
B	**Floorbox UV / UH** for the connection of surface heating systems without distributor/collector	1022668/69



Conventional installation with heating circuit manifold



Unidis surface heating system with decentralised distribution

Unidis - Accessories and spare parts



Mounting channel

Description	Item No.
For Unibox, made of galvanised sheet steel, with cover made of gypsum board, H: 275-350 mm, W: 130 mm	1022652
For Unibox, made of galvanised sheet steel, H: 440-490 mm, W: 160 mm	1022653
For Unibox, with return shutoff, with cover and thermostat with remote control	1022654



Extended cover, closed, genuine glass, white

Description	Item No.
For Unibox in combination with the mounting channel	1022755



Cofit S Compression fitting for G ¾ external thread

Cofit S, 2-fold, for G ¾ external thread according to DIN EN 16313, clamping ring and union nut made of brass, union nut nickel-plated, metal to metal sealing plus O-ring.

Seal	Metal to metal sealing
Suitable for	- Multi-layer composite pipes - Plastic pipes

Suitable for pipe dimension *(mm)*	Connection size	Quantity	Item No.
14 x 2.0	G ¾ union nut	2-fold	1507934
16 x 2.0	G ¾ union nut	2-fold	1507935
17 x 2.0	G ¾ union nut	2-fold	1507937
18 x 2.0	G ¾ union nut	2-fold	1507938
20 x 2.0	G ¾ union nut	2-fold	1507939
20 x 2.5	G ¾ union nut	2-fold	1507940



Ofix CEP for G ¾ external thread according to DIN EN 16313, soft sealing

Ofix CEP, 2-fold, one-piece pre-assembled, for copper pipes according to DIN EN 1057, precision steel pipes according to DIN EN 10305-1 / 2, stainless steel pipes and galvanised steel pipes, soft sealing (no support sleeves required).

Suitable for
- Copper pipes
- Precision steel pipes
- Stainless steel pipe
- Galvanised steel pipes

Suitable for pipe dimension *(mm)*	Connection size	Seal	Quantity	Item No.
	G ¾ union nut x 10 mm	Soft sealing	2-fold	1016840
	G ¾ union nut x 12 mm	Soft sealing	2-fold	1016841
	G ¾ union nut x 14 mm	Soft sealing	2-fold	1016842
	G ¾ union nut x 15 mm	Soft sealing	2-fold	1016843
20 x 2.0	G ¾ union nut x 16 mm	Soft sealing	2-fold	1016844
22 x 2.0	G ¾ union nut x 18 mm	Soft sealing	2-fold	1016845



ClimaCon F 90 Room thermostat for two pipe applications, heating only/cooling only, follower

For Unibox T vario, TQ vario, T-RTL vario, TQ-RTL vario and E BV vario.

Voltage		Suitable for	Item No.
230 V AC	On/off	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009



ClimaCon F 310 Room thermostat for two-pipe applications, heating or cooling, leader

For Unibox T vario, TQ vario, T-RTL vario, TQ-RTL vario and E BV vario.

Voltage		Suitable for	Item No.
230 V AC	On/off / PWM	Thermal actuators (on/off), “normally closed”	1155031



Aktor T 2P Thermal actuator

For Unibox T vario, TQ vario, T-RTL vario, TQ-RTL vario and E BV vario.

Description	Item No.
On/off control, “normally closed”, 230 V	1012415

Uni FHU Thermostat with remote control



Description	Item No.
White, 2 m capillary tube	1012595
White, 5 m capillary tube	1012596
White, 10 m capillary tube	1012597

Replacement cover for Unibox T, T-RTL, TQ-RTL and E BV



Description	Item No.
Genuine glass white	1022777
Genuine glass black	1022778
Plastic white	1022779

1.3 Surface heating and cooling

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Valves for return temperature limitation



Return temperature limiters are used in combined radiator and surface heating systems with closed circuits. The valves are available in reversed angle for return and straight for return versions. The integrated valve insert has a double plug that prevents unintentional overheating. In addition, the valve has a frost protection function. The **Uni RTLH** thermostats with connection thread M 30 x 1.5 and the **Uni RTL** thermostats with connection thread M 30 x 1.0 are suitable for the valves (see chapter "Return temperature limiter Accessories").

Body material	Brass
Max. operating pressure	10 bar
Thermostat thread	M 30 x 1.5
Protection cap	Yes
Zero position	No

Reversed angle for return



Type	Reversed angle

Radiator connection	Pipe connection	Item No.
R ⅜	Rp ⅜	1024363
R ½	Rp ½	1024364

Straight for return



Type	Straight

Radiator connection	Pipe connection	Item No.
R ⅜	Rp ⅜	1024463
R ½	Rp ½	1024464

Return temperature limiter sets



The return temperature limiter sets consist of the valve for return temperature limitation and the matching **Uni RTLH** thermostat. The sets are available in reversed angle for return and straight for return versions, each with a white thermostat.

Setting range	10 up to 40 °C	Radiator connection	R ½
Colour protection cap	Black	Pipe connection	Rp ½
Type	Straight	Thermostat thread	M 30 x 1.5
Body material	Brass	Protection cap	Yes
Max. operating pressure	10 bar	Zero position	Yes



Reversed angle for return

Item No.
1028364



Straight for return

Item No.
1028464

Return temperature limiters - Accessories



Uni RTLH Thermostat with M 30 x 1.5

Thermostat thread	M 30 x 1.5

Description	Item No.
White, 10 °C - 40 °C	1027165
Anthracite, with zero position, limitable and blockable, 10 °C - 70 °C	1149068



Uni RTL Thermostat with M 30 x 1.5

Thermostat thread	M 30 x 1.0

Description	Item No.
White, 10 °C - 50 °C, M 30 x 1.0	1027100



Extension

Description	Item No.
For Unibox RTL, for RTLH valves, 20 mm	1022699



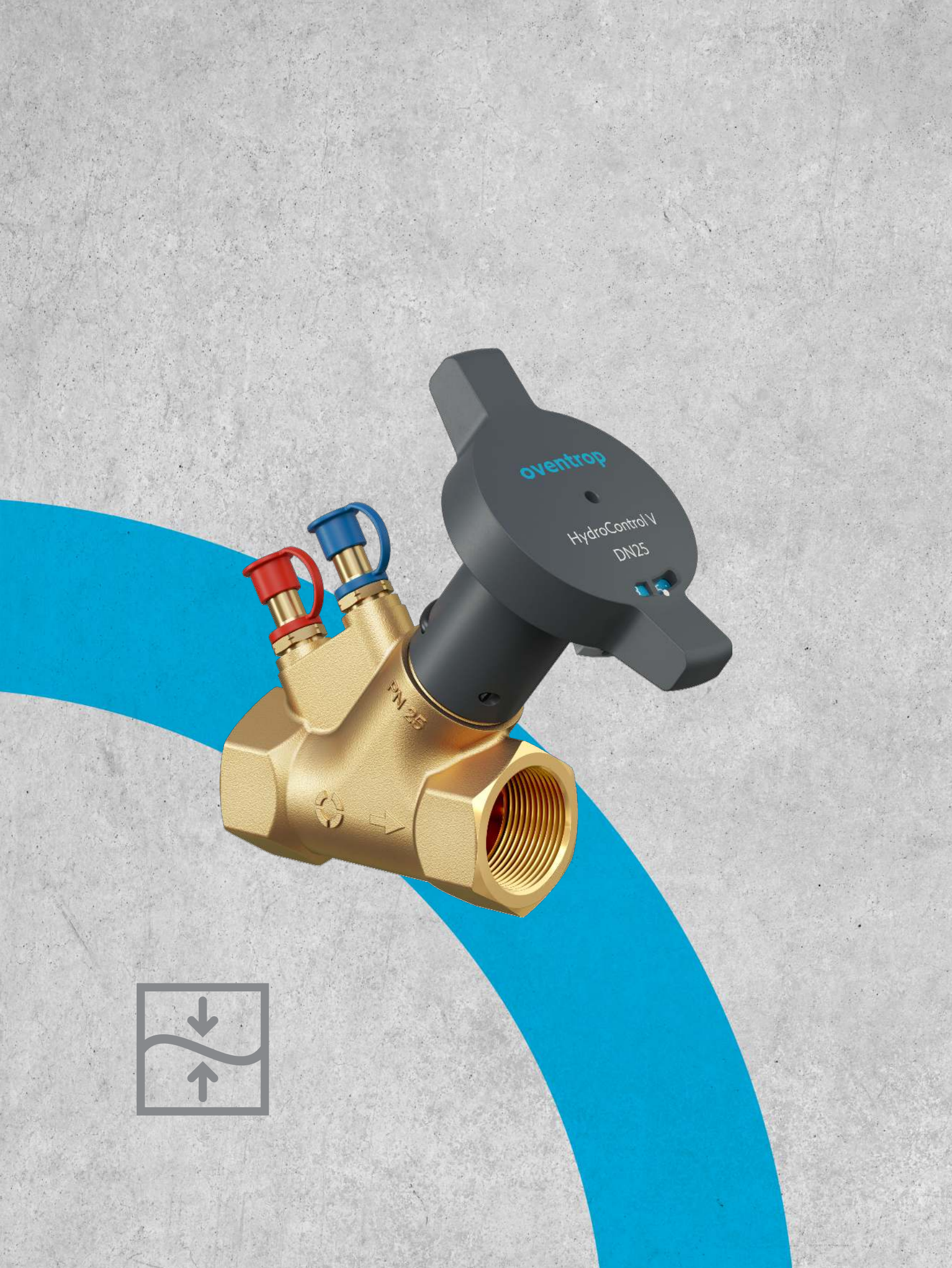
Replacement valve insert

Description	Item No.
For Unibox and RTLH valves, M 30 x 1.5	1026981



Replacement stuffing gland screw

Description	Item No.
For all RTLH valves, set = 5 pieces	1026986


oventrop
HydroControl V
DN25
PN 25

Hydronics

2

2 Hydronics

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2.1 Hydronic balancing of risers in heating and cooling systems

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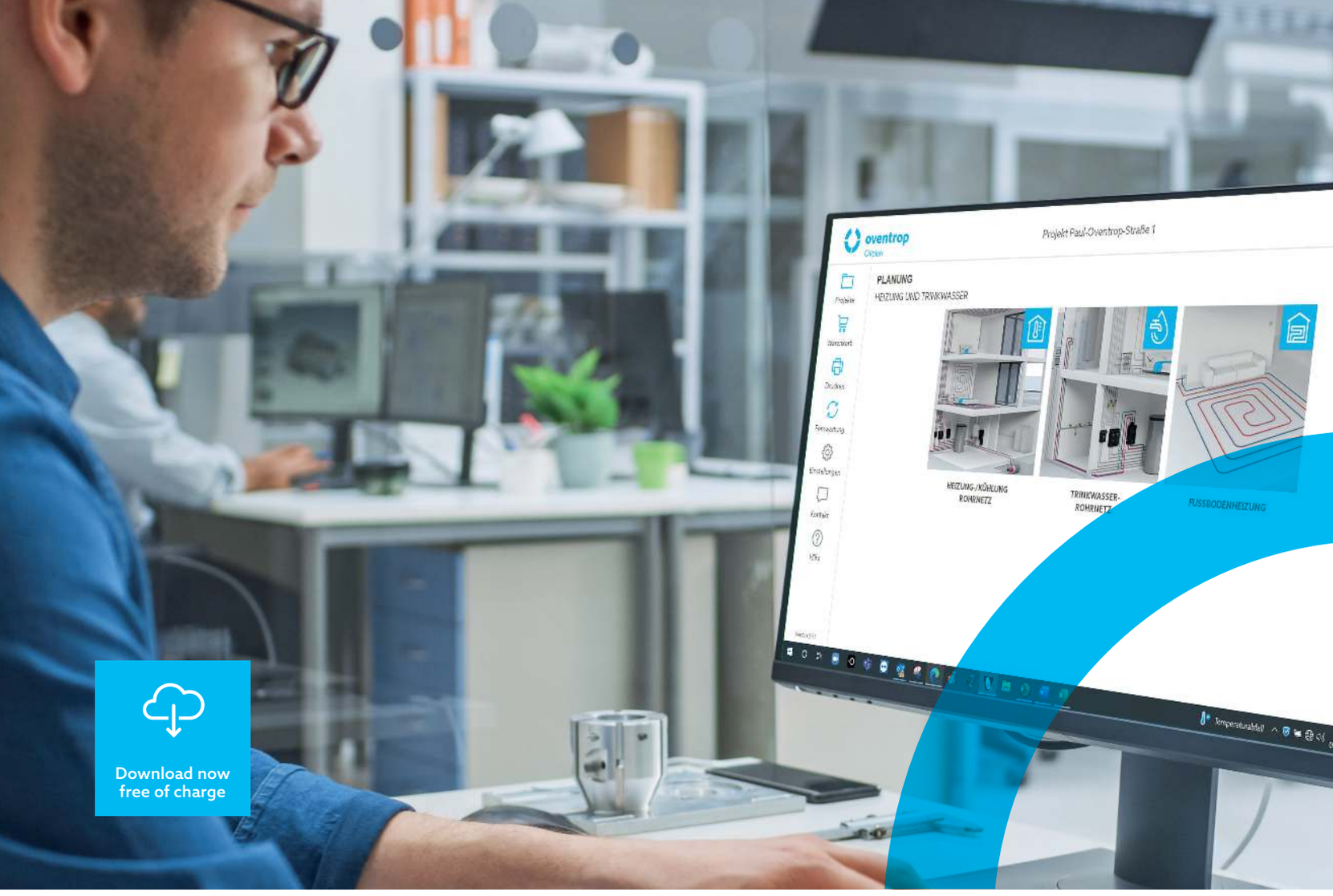
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2.1 Hydronic balancing of risers in heating and cooling systems

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HydroControl A Shutoff valves DN 15 to DN 150 236
HydroControl VFC Double regulating valves for shipbuilding DN 20 to DN 50 238
HydroControl VTS/VFS Regulating valves made of stainless steel DN 15 to DN 300 239
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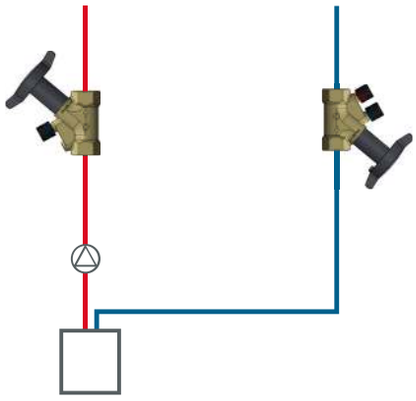
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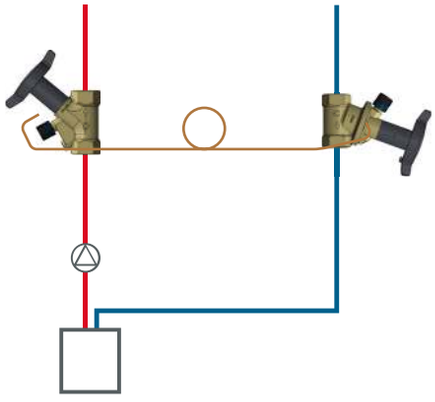
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Typical applications in a riser



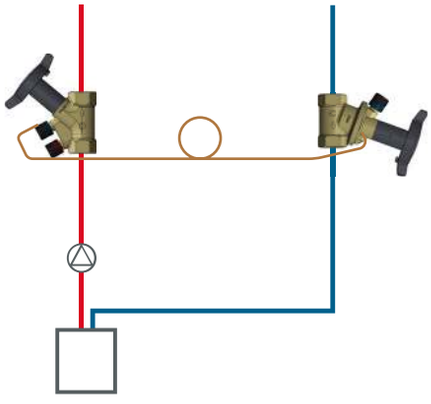
STANDARD INSTALLATION

For example, consisting of **HydroControl V** double regulating valve and **HydroControl A** shut-off valve for systems in which hydronic balancing of the individual supply risers is required.



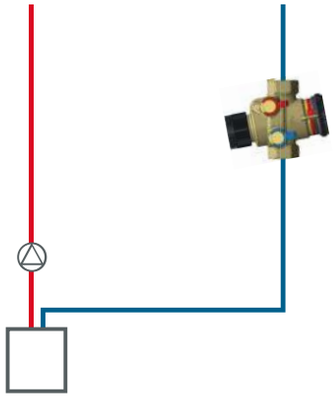
DIFFERENTIAL PRESSURE CONTROL

For example, consisting of **HydroControl D** differential pressure control valve and **HydroControl A** shut-off valve for systems with presettable thermostatic valves.



DIFFERENTIAL PRESSURE CONTROL WITH FLOW LIMITATION

For example, consisting of **HydroControl D** differential pressure control valve and **HydroControl V** double regulating valve for systems with thermostatic valves or radiator lockshield valves without presetting in which the flow rate is to be limited to the calculated value.



FLOW CONTROL

For example with the **Cocon Q** pressure independent control valve for systems in which the mass flow of the individual supply risers is to be kept constant. For this function, the Cocon Q does not need to be equipped with an actuator.

HYDRONIC BALANCING OF PIPELINES

	Product family	HydroControl											
	Model	**V**	**VFC, VFN**	**VFR**	**VGC**	**M**	**MFC**	**D**	**DFC**	**A**	**A**	**VTS**	**VFS**
Features	Nominal pressure	PN 25 PN 16	PN 25 PN 16 PN 6	PN 16	PN 25	PN 25	PN 16	PN 25 PN 16	PN 16	PN 25	PN 16	PN 25	PN 25 PN 16
	Medium temperature	-20… 150 °C	-10… 150 °C	-20… 150 °C	-10… 150 °C	-20… 150 °C	-10… 150 °C	-20… 120 °C	-10… 120 °C	-20… 150 °C	-10… 150 °C	-10… 95 °C	-10… 95 °C
Body	Stainless steel											●	●
	DZR brass	●				●		●		●			
	Brass												
	Cast iron		●		●		●		●		●		
	Bronze			●									
	Nodular cast iron		●										
Valve type	Double regulating valve	●	●	●	●	●	●					●	●
	Fixed orifice double regulating valve												
	Differential pressure control valve							●	●				
	Shutoff valve									●	●		
	Diverting/mixing valve												
	Control valve												
	Pressure independent control valve												
	Volume flow regulator												
	Connection set												
Control functions	Presetting/fix throttling	●	●	●	●	●	●					●	●
	Differential pressure control							●	●				
	Volume flow control												
Further functions	Shutting off	●	●	●	●	●	●	●	●	●	●	●	●
	Draining/Filling	●				●			●	●			
	Impulse tube connection	●				●		●	●	●			
	Measuring (flow rate)	●	●	●	●	●	●	○				●	●
	via fixed orifice					●	●						
	Measuring (Δp)	●	●	●	●	●	●					●	●
	Actuator connection												
Design	Y-pattern valve	●	●	●	●	●	●	●	●	●	●	●	●
	Straight seat valve												
	Multi-way valve												
Connection	Internal thread	PN 25				PN 25		PN 25		PN 25		PN 25	
	External thread	PN 16						PN 16					
	With union nuts												
	Coupling/Internal thread												
	Flange		PN 25/16/6	PN 16			PN 16		PN 16		PN 16		PN 25/16
	Groove				PN 25								
	Others												
kvs value/ Control range	kvs value Volume flow control range Differential pressure control range	**kvs**	**kvs**	**kvs**	**kvs**	**kvs**	**kvs**	**kPa**	**kPa**	**kvs**	**kvs**	**kvs**	**kvs**
	DN 10 LF												
	DN 10												
	DN 15 ULF					0.19							
	DN 15 LF					0.4							
	DN 15	3.9				0.9				4.1		3.5	
	DN 15 HF					2.2							
	DN 20 LF												
	DN 20	6.9	4.8			4.3		5…30 or 25…70		7.8		3.5	
	DN 20 HF												
	DN 25	11.0	8.4			8.6				14.1		8.0	
	DN 32	20.8	17.1			15.9				24.8		11.8	
	DN 40	28.7	26.9			23.4				32.4		15.4	
	DN 50	42.9	36.0	36.0		35.0				49.8		27.6	
	DN 65	50.0	98	98	98		87				98		87
	DN 80		122	122	122		102				122		115
	DN 100		201	201	201		198		20…100 or 40…180		201		186
	DN 125		293	293	293		271				293		242
	DN 150		404	404	404		400				404		359
	DN 200		815	815	815		750						795
	DN 250		1200		1200		1090						1088
	DN 300		1600		1600		1500						1276
	DN 350		2250										
	DN 400		3750										

● Included as standard ○ Depending on variant or with the appropriate accessories

HYDRONIC BALANCING OF PIPELINES			HYDRONIC BALANCING WITH PRESSURE INDEPENDENT CONTROL VALVES				CONNECTION OF HEATING AND COOLING DEVICES						
HydroCom		Hycoflow	Cocon				Optibal	Flypass	2/3-way valves		Hycocon		Product family
V	**A**	**VTB**	**QTZ**	**QTR**	**QFC/QGC**	**QDP**	**W6**	**4TZ**	**Tri-CTB**	**2/3 way**	**ETZ**	**HTZ**	**Model**
PN 16	PN 16	PN 10	PN 25 PN 16	PN 25 PN 16	PN 25 PN 16	PN 25	PN 16	PN 16	PN 16	PN 16	PN 16	PN 16	Nominal pressure
-20… 120 °C	-20… 120 °C	max. 100 °C	-10… 120 °C	-10… 120 °C	-10… 120 °C	-10… 120 °C	0… 90 °C	-10… 120 °C	-10… 120 °C	0… 130 °C	-10… 120 °C	-10… 120 °C	Medium temperature
													Stainless steel
●	●		●			●	●	●			●	●	DZR brass
		●		●					●				Brass
					●					●			Cast iron
													Bronze
					●								Nodular cast iron
●		●											Double regulating valve
													Fixed orifice double regulating valve
						●							Differential pressure control valve
	●												Shutoff valve
							●		●	●			Diverting/mixing valve
							●		●	●	●		Control valve
			●	●	●	●							Pressure independent control valve
			●	●	●	●							Volume flow controller
								●					Connection set
●		●					●				●	●	Presetting/fix throttling
						●							Differential pressure control
			●	●	●	●							Volume flow control
●	●	●	●	●	●	●	●	●			●	●	Shutting off
●	●							●			●	●	Draining/Filling
●	●					●					●	●	Impulse tube connection
●		●	○										Measuring (flow rate)
			○										via fixed orifice
●			○	●	●			○					Measuring (Δp)
			M 30 x 1.5	●	●	M 30 x 1.5	●		M 30 x 1.5	●	M 30 x 1.5	M 30 x 1.5	Actuator connection
●	●												Y-pattern valve
		●											Straight seat valve
			2-way	2-way	2-way	2-way	6-way	4-way	3-way	2/3-way	2-way	2-way	Multi-way valve
PN 16	PN 16	PN 10	PN 25/16	PN 25							PN 16	PN 16	Internal thread
			PN 25/16	PN 16		PN 25	PN 16		PN 16		PN 16	PN 16	External thread
									●		●	●	With union nuts
			PN 25/16										Coupling/Internal thread
					PN 25/16					PN 16			Flange
					PN 25								Groove
		IT/ET						IT/union nut					Others
kvs	**kvs**	**kvs**	**l/h**	**m³/h**	**m³/h**	**l/h**	**kvs**	**kvs**	**kvs**	**kvs**	**kvs**	**kvs**	kvs value Volume flow control range Differential pressure control range
			30…210										DN 10 LF
			90…450										DN 10
													DN 15 ULF
			30…210							1			DN 15 LF
2.0	2.0		150…1500			170…760	3.2	22.0	2.4	1.6	1,0	1.7	DN 15
			200…1300							2.5			DN 15 HF
										4			DN 20 LF
3.7	3.7	3.0	150…1050			260…1580	3.2	34.0	4.3	6.3	1.2	2.7	DN 20
			250…1800									5.0	DN 20 HF
5.9	5.9	8.3	400…2500			280…1830			5.3	10.0	1.2	3.6	DN 25
13.0	13.0	13.7	600…4800			550…2830			7.8	16.0		6.8	DN 32
				1.5…7.5	1.5…7.5				8.4	25.0		10.0	DN 40
				3.5…14	2…8				10.6	35.0			DN 50
					5…20					63			DN 65
					7.5…30					100			DN 80
					12.5…50					160			DN 100
					27…108					220			DN 125
					36…150					320			DN 150
					55…190								DN 200
													DN 250
													DN 300
													DN 350
													DN 400

● Included as standard ○ Depending on the variant or with the appropriate accessories

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And because it simplifies your work: it is equipped with HydroPort as standard and measuring, draining and filling functions are always included.

HydroControl V Double regulating valves DN 15 to DN 400



For hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits. Determination of the flow rate by measuring the differential pressure with the help of the measuring system OV-DMC 3 taking the preset values into consideration.
Y-pattern valve with secured, at any time controllable, infinitely variable fine presetting. All functions accessible from the top. Supplied with two auxiliary valves.

Presetting	Yes
Shutoff	Yes



HydroControl V with internal thread PN 25

Connections	Internal thread
Medium	Water Water-glycol mixture
Pressure rating	PN 25
Operating temperature	-20 up to 150 °C
Measuring connection	Yes

Draining	With HydroPort adapter
Impulse tube connection	Yes, via HydroPort
Body material	DZR brass
Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	3.90	1062404
DN 20	Rp ¾	6.90	1062406
DN 25	Rp 1	11.00	1062408
DN 32	Rp 1 ¼	20.80	1062410
DN 40	Rp 1 ½	28.70	1062412
DN 50	Rp 2	42.90	1062416

HydroControl V with external thread PN 16



Flat sealing, without union nuts and sealing rings.

Connections	External thread
Medium	Water Water-glycol mixture
Pressure rating	PN 16
Operating temperature	-20 up to 150 °C
Measuring connection	Yes

Draining	With HydroPort adapter
Impulse tube connection	Yes, via HydroPort
Body material	DZR brass
Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	3.90	1062604
DN 20	G 1	6.90	1062606
DN 25	G 1 ¼	11.00	1062608
DN 32	G 1 ½	20.80	1062610
DN 40	G 1 ¾	28.70	1062612
DN 50	G 2 ⅜	42.90	1062616

HydroControl VTR with internal thread PN 16, body made of bronze



Connections	Internal thread
Medium	Water Water-glycol mixture
Connection size	Rp 2 ½
Pressure rating	PN 16
Operating temperature	-20 up to 150 °C
Measuring connection	Closed with blind plug

Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Bronze
Insulation shell	No
Certification	WaterMark

Nominal size	Kvs	Item No.
DN 65	50.00	1060120

HydroControl VFR with flanges according to EN 1092-2 PN 16, body made of bronze



Connections	Flange EN 1092-2
Medium	Water Water-glycol mixture Service water Salt water (max. 38 °C)
Pressure rating	PN 16

Operating temperature	-20 up to 150 °C
Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Bronze

Nominal size	Kvs	Insulation shell	Item No.
DN 50	36.00	Available as accessory	1062350
DN 65	98.00	Available as accessory	1062351
DN 80	122.00	Available as accessory	1062352
DN 100	201.00	Available as accessory	1062353
DN 125	293.00	Available as accessory	1062354
DN 150	404.00	Available as accessory	1062355
DN 200	815.00	No	1062356

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HydroControl VFC with flanges according to EN 1092-2 PN 16

Connections	Flange EN 1092-2
Medium	Water Water-glycol mixture
Pressure rating	PN 16
Operating temperature	-10 up to 150 °C

Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)

Nominal size	Kvs	Body material	Insulation shell	Item No.
DN 20	4.80	Cast iron	Available as accessory	1062646
DN 25	8.40	Cast iron	Available as accessory	1062647
DN 32	17.10	Cast iron	Available as accessory	1062648
DN 40	26.90	Cast iron	Available as accessory	1062649
DN 50	36.00	Cast iron	Available as accessory	1062650
DN 65	98.00	Cast iron	Available as accessory	1062651
DN 80	122.00	Cast iron	Available as accessory	1062652
DN 100	201.00	Cast iron	Available as accessory	1062653
DN 125	293.00	Cast iron	Available as accessory	1062654
DN 150	404.00	Cast iron	Available as accessory	1062655
DN 200	815.00	Cast iron	No	1062656
DN 250	1,200.00	Cast iron	No	1062657
DN 300	1,600.00	Cast iron	No	1062658
DN 350	2,250.00	Nodular cast iron	No	1062659
DN 400	3,750.00	Nodular cast iron	No	1062660

HydroControl VFN with flanges according to EN 1092-2 PN 25



Connections	Flange EN 1092-2
Medium	Water Water-glycol mixture
Pressure rating	PN 25
Operating temperature	-20 up to 150 °C

Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Nodular cast iron

Nominal size	Kvs	Insulation shell	Item No.
DN 65	98.00	Available as accessory	1062451
DN 80	122.00	Available as accessory	1062452
DN 100	201.00	Available as accessory	1062453
DN 125	293.00	Available as accessory	1062454
DN 150	404.00	Available as accessory	1062455
DN 200	815.00	No	1062456
DN 250	1,200.00	No	1062457
DN 300	1,600.00	No	1062458

HydroControl VFC with flanges according to EN 1092-2 PN 6



Connections	Flange EN 1092-2
Medium	Water Water-glycol mixture
Pressure rating	PN 6
Operating temperature	-10 up to 150 °C

Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Cast iron

Nominal size	Kvs	Insulation shell	Item No.
DN 20	4.80	Available as accessory	1062676 °
DN 25	8.40	Available as accessory	1062677 °
DN 32	17.10	Available as accessory	1062678 °
DN 40	26.90	Available as accessory	1062679 °
DN 50	36.00	Available as accessory	1062680 °
DN 65	98.00	Available as accessory	1062681 °
DN 80	122.00	Available as accessory	1062682 °
DN 100	201.00	Available as accessory	1062683 °
DN 125	293.00	Available as accessory	1062684 °
DN 150	404.00	Available as accessory	1062685 °
DN 200	815.00	No	1062686 °

° Production will be discontinued

HydroControl VFC with flanges with hole circles according to ANSI class 150 PN 16



Medium	Water Water-glycol mixture
Pressure rating	PN 16
Operating temperature	-10 up to 150 °C
Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)

Nominal size	Connections	Connection size	Kvs	Body material	Insulation shell	Item No.
DN 20	ANSI flange	¾"	4.80	Cast iron	Available as accessory	1062946
DN 25	ANSI flange	1"	8.40	Cast iron	Available as accessory	1062947
DN 32	ANSI flange	1 ¼"	17.10	Cast iron	Available as accessory	1062948
DN 40	ANSI flange	1 ½"	26.90	Cast iron	Available as accessory	1062949
DN 50	ANSI flange	2"	36.00	Cast iron	Available as accessory	1062950
DN 65	ANSI flange	2 ½"	98.00	Cast iron	Available as accessory	1062951
DN 80	ANSI flange	3"	122.00	Cast iron	Available as accessory	1062952
DN 100	ANSI flange	4"	201.00	Cast iron	Available as accessory	1062953
DN 125	ANSI flange	5"	293.00	Cast iron	Available as accessory	1062954
DN 150	ANSI flange	6"	404.00	Cast iron	Available as accessory	1062955
DN 200	ANSI flange	8"	815.00	Cast iron	No	1062956
DN 250	ANSI flange	10"	1,200.00	Cast iron	No	1062957
DN 300	ANSI flange	12"	1,600.00	Cast iron	No	1062958
DN 350	ANSI flange	14"	2,250.00	Nodular cast iron	No	1062959
DN 400	ANSI flange	16"	3,750.00	Nodular cast iron	No	1062960

HydroControl VGC with grooves PN 25

Suitable for couplings of the Victaulic, Grinnell, or similar systems.



Medium	Water Water-glycol mixture
Pressure rating	PN 25
Operating temperature	-10 up to 150 °C
Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Cast iron

Nominal size	Connections	Connection size	Kvs	Insulation shell	Item No.
DN 65	Groove	2 ½" - 73.0 mm	98.00	Available as accessory	1063051
DN 65	Groove	2 ½" - 76.1 mm	98.00	Available as accessory	1064051
DN 80	Groove	3" - 88.9 mm	122.00	Available as accessory	1063052
DN 100	Groove	4" - 114.3 mm	201.00	Available as accessory	1063053
DN 125	Groove	5" - 139.7 mm	293.00	Available as accessory	1064054
DN 125	Groove	5" - 141.3 mm	293.00	Available as accessory	1063054
DN 150	Groove	6" - 165.1 mm	404.00	Available as accessory	1064055
DN 150	Groove	6" - 168.3 mm	404.00	Available as accessory	1063055
DN 200	Groove	8" - 219.1 mm	815.00	No	1063056
DN 250	Groove	10" - 273.0 mm	1,200.00	No	1063057
DN 300	Groove	12" - 323.9 mm	1,600.00	No	1063058

HydroControl M Fixed orifice double regulating valves DN 15 to DN 300



For hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits. The integrated metering station enables easy balancing: modification of the flow rate values via the handwheel can be read off directly with the help of the OV-DMC 3 measuring system, irrespective of the preset values.
Y-pattern valve with fixed orifice metering station and secured, at any time controllable, infinitely variable fine presetting. All functions accessible from the top. Supplied with two auxiliary valves.

Medium	Water Water-glycol mixture
Presetting	Yes
Shutoff	Yes
Measuring connection	Yes



HydroControl M with internal thread PN 25

Connections	Internal thread
Pressure rating	PN 25
Operating temperature	-20 up to 150 °C
Draining	Yes
Impulse tube connection	Yes, via HydroPort
Body material	DZR brass
Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15 ULF	Rp ½	0.19	1065844
DN 15 LF	Rp ½	0.40	1065834
DN 15 MF	Rp ½	0.90	1065824
DN 15 HF	Rp ½	2.20	1065804
DN 20	Rp ¾	4.30	1065806
DN 25	Rp 1	8.60	1065808
DN 32	Rp 1 ¼	15.90	1065810
DN 40	Rp 1 ½	23.40	1065812
DN 50	Rp 2	35.00	1065816

HydroControl MFC with flanges according to EN 1092-2 PN 16



Connections	Flange EN 1092-2	Impulse tube connection	Extendable (only depressurized)
Pressure rating	PN 16	Body material	Cast iron
Operating temperature	-10 up to 150 °C	Insulation shell	No
Draining	Extendable (only depressurized)		

Nominal size	Kvs	Item No.
DN 65	86.70	1065851
DN 80	102.00	1065852
DN 100	198.00	1065853
DN 125	271.00	1065854
DN 150	400.00	1065855
DN 200	750.00	1065856
DN 250	1,090.00	1065857
DN 300	1,500.00	1065858

HydroControl D Differential pressure control valves DN 15 to DN 200



For automatic hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits. The differential pressure control ensures hydronic balancing even in the partial load range and prevents high differential pressures in the controlled system section, e.g. at the radiator valve. When using a HydroControl V as partner valve, the water quantity in the riser can also be measured with the help of the OV-DMC 3 measuring system with the impulse tube connected.

Y-pattern valve with secured, at any time controllable, infinitely variable presetting of the desired nominal differential pressure value. All functions accessible from the top.

Medium	Water Water-glycol mixture
Presetting	Yes
Shutoff	Yes



HydroControl D with internal thread PN 25

Connections	Internal thread	Draining	No
Pressure rating	PN 25	Body material	DZR brass
Operating temperature	-20 up to 120 °C	Insulation shell	Available as accessory
Measuring connection	Yes, with HydroControl V		

Nominal size	Connection size	Nominal value differential pressure *(mbar)*	Item No.
DN 15	Rp ½	50 up to 300	1064524
DN 20	Rp ¾	50 up to 300	1064526
DN 25	Rp 1	50 up to 300	1064528
DN 32	Rp 1 ¼	50 up to 300	1064530
DN 40	Rp 1 ½	50 up to 300	1064532
DN 50	Rp 2	50 up to 300	1064536
DN 15	Rp ½	250 up to 700	1064724
DN 20	Rp ¾	250 up to 700	1064726
DN 25	Rp 1	250 up to 700	1064728
DN 32	Rp 1 ¼	250 up to 700	1064730
DN 40	Rp 1 ½	250 up to 700	1064732
DN 50	Rp 2	250 up to 700	1064736

HydroControl D with external thread PN 25



Connections	External thread	Draining	No
Pressure rating	PN 25	Body material	DZR brass
Operating temperature	-20 up to 120 °C	Insulation shell	Available as accessory
Measuring connection	Yes, with HydroControl V		

Nominal size	Connection size	Nominal value differential pressure *(mbar)*	Item No.
DN 15	G ¾	50 up to 300	1064624
DN 20	G 1	50 up to 300	1064626
DN 25	G 1 ¼	50 up to 300	1064628
DN 32	G 1 ½	50 up to 300	1064630
DN 40	G 1 ¾	50 up to 300	1064632
DN 50	G 2 ⅜	50 up to 300	1064636

Hydromat DFC with flanges according to EN 1092-2 PN 16



Connections	Flange EN 1092-2	Draining	Yes
Pressure rating	PN 16	Body material	Cast iron
Operating temperature	-10 up to 120 °C	Insulation shell	No
Measuring connection	No		

Nominal size	Nominal value differential pressure *(mbar)*	Kvs	Item No.
DN 65	200 up to 1,000	52.00	1064651
DN 80	200 up to 1,000	75.00	1064652
DN 100	200 up to 1,000	110.00	1064653
DN 125	200 up to 1,000	145.00	1064654
DN 150	200 up to 1,000	170.00	1064655
DN 65	400 up to 1,800	52.00	1064751
DN 80	400 up to 1,800	75.00	1064752
DN 100	400 up to 1,800	110.00	1064753
DN 125	400 up to 1,800	145.00	1064754
DN 150	400 up to 1,800	170.00	1064755
DN 200	400 up to 1,800	420.00	1064756

HydroControl A Shutoff valves DN 15 to DN 150



Y-pattern valve without presetting. For shutting off distribution pipes in central heating and cooling systems with closed circuits.

Can also be used as partner valve for HydroControl D differential pressure control valves.

Medium	Water Water-glycol mixture
Presetting	No
Shutoff	Yes
Measuring connection	No
Insulation shell	Available as accessory



HydroControl A with internal thread PN 25

Connections	Internal thread	Draining	With HydroPort adapter
Pressure rating	PN 25	Impulse tube connection	Yes
Operating temperature	-20 up to 150 °C	Body material	DZR brass

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	4.10	1067524
DN 20	Rp ¾	7.80	1067526
DN 25	Rp 1	14.10	1067528
DN 32	Rp 1 ¼	24.80	1067530
DN 40	Rp 1 ½	32.40	1067532
DN 50	Rp 2	49.80	1067536



HydroControl A with external thread PN 16

Flat sealing, without union nuts and sealing rings.

Connections	External thread	Draining	With HydroPort adapter
Pressure rating	PN 16	Impulse tube connection	Yes
Operating temperature	-20 up to 150 °C	Body material	DZR brass

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	4.10	1067624
DN 20	G 1	7.80	1067626
DN 25	G 1 ¼	14.10	1067628
DN 32	G 1 ½	24.80	1067630
DN 40	G 1 ¾	32.40	1067632
DN 50	G 2 ⅜	49.80	1067636



HydroControl A with flanges according to EN 1092-2 PN 16

Connections	Flange EN 1092-2	Draining	Extendable (only depressurized)
Pressure rating	PN 16	Impulse tube connection	Extendable (only depressurized)
Operating temperature	-10 up to 150 °C	Body material	Cast iron

Nominal size	Kvs	Item No.
DN 65	98.00	1062051
DN 80	122.00	1062052
DN 100	201.00	1062053
DN 125	293.00	1062054
DN 150	404.00	1062055

HydroControl VFC Double regulating valves for shipbuilding DN 20 to DN 50



For hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits. Determination of the flow rate by measuring the differential pressure with the help of the OV-DMC 3 measuring system taking the preset values into consideration.

Y-pattern valve with secured, at any time controllable, infinitely variable fine presetting. All functions accessible from the top. Supplied with two Classic measuring valves.
With type approval for shipbuilding, issued by Det Norske Veritas / German Lloyd.

Medium	Water Water-glycol mixture
Connections	Flange EN 1092-2
Pressure rating	PN 16
Operating temperature	-10 up to 150 °C
Presetting	Yes
Shutoff	Yes

Measuring connection	Yes
Draining	Extendable (only depressurized)
Impulse tube connection	Extendable (only depressurized)
Body material	Cast iron
Insulation shell	Available as accessory

HydroControl VFC with flanges according to EN 1092-2 PN 16



Nominal size	Kvs	Item No.
DN 20	4.80	1688746
DN 25	8.40	1688747
DN 32	17.10	1688748
DN 40	26.90	1688749
DN 50	36.00	1688750

HydroControl VTS/VFS Regulating valves made of stainless steel DN 15 to DN 300



Stainless steel regulating and shutoff valves for the static hydronic balancing of pipelines in closed heating and cooling systems. The valve offers a measuring function across the valve seat. All wetted parts are made of stainless steel (seals made of EPDM).
The valve is available in two different material grades: CF8 (comparable to 1.4308, V2A, 304) and CF8M (comparable to 1.4408, V4A, 316). The version made of CF8M material is also suitable for use in a marine climate. However, for use with seawater as the flowing medium, we recommend our HydroControl VFR made of bronze.

Medium	Water Water-glycol mixture
Operating temperature	-10 up to 95 °C
Presetting	Yes
Shutoff	Yes
Measuring connection	Yes
Body material	Stainless steel



HydroControl VTS with internal thread PN 25, made of stainless steel CF8

Stainless steel CF8 corresponds to material number 1.4308, comparable to 1.4301 (V2A) / SAE 304

Connections	Internal thread	Pressure rating	PN 25

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	3.50	1063504
DN 20	G ¾	3.50	1063506
DN 25	G 1	8.02	1063508
DN 32	G 1 ¼	11.85	1063510
DN 40	G 1 ½	15.41	1063512
DN 50	G 2	27.62	1063516



HydroControl VTS with internal thread PN 25, made of stainless steel CF8M

Stainless steel CF8M corresponds to material number 1.4408, comparable to 1.4401 (V4A) / SAE 316

Connections	Internal thread	Pressure rating	PN 25

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	3.50	1063604
DN 20	G ¾	3.50	1063606
DN 25	G 1	8.02	1063608
DN 32	G 1 ¼	11.85	1063610
DN 40	G 1 ½	15.41	1063612
DN 50	G 2	27.62	1063616



HydroControl VFS with flanges according to EN 1092-1, made of stainless steel CF8

Stainless steel CF8 corresponds to material number 1.4308, comparable to 1.4301 (V2A) / SAE 304

Connections Flange EN 1092-1

Nominal size	Pressure rating	Kvs	Item No.
DN 65	PN 16	86.90	1063551
DN 80	PN 16	115.40	1063552
DN 100	PN 16	186.00	1063553
DN 125	PN 16	241.90	1063554
DN 150	PN 16	358.60	1063555
DN 200	PN 16	795.10	1063556
DN 250	PN 16	1,087.80	1063557
DN 300	PN 16	1,276.20	1063558
DN 65	PN 25	86.90	1063581
DN 80	PN 25	115.40	1063582
DN 100	PN 25	186.00	1063583
DN 125	PN 25	241.90	1063584
DN 150	PN 25	358.60	1063585
DN 200	PN 25	795.10	1063586
DN 250	PN 25	1,087.80	1063587
DN 300	PN 25	1,276.20	1063588



HydroControl VFS with flanges according to EN 1092-1, made of stainless steel CF8M

Stainless steel CF8M corresponds to material number 1.4408, comparable to 1.4401 (V4A) / SAE 316

Connections Flange EN 1092-1

Nominal size	Pressure rating	Kvs	Item No.
DN 65	PN 16	86.90	1063651
DN 80	PN 16	115.40	1063652
DN 100	PN 16	186.00	1063653
DN 125	PN 16	241.90	1063654
DN 150	PN 16	358.60	1063655
DN 200	PN 16	795.10	1063656
DN 250	PN 16	1,087.80	1063657
DN 300	PN 16	1,276.20	1063658
DN 65	PN 25	86.90	1063681
DN 80	PN 25	115.40	1063682
DN 100	PN 25	186.00	1063683
DN 125	PN 25	241.90	1063684
DN 150	PN 25	358.60	1063685
DN 200	PN 25	795.10	1063686
DN 250	PN 25	1,087.80	1063687
DN 300	PN 25	1,276.20	1063688

New in the catalogue 2026

Hydrocontrol - Accessories and spare parts



Connection set with externally threaded tailpipes

Consisting of two tailpipes, union nuts and sealing rings.

Suitable for HydroControl V, D and A with external threads.

Nominal size	Connection size	Item No.
DN 15	R ½	1140792
DN 20	R ¾	1140793
DN 25	R 1	1140794
DN 32	R 1 ¼	1140798
DN 40	R 1 ¼	1140795
DN 40	R 1 ½	1140796
DN 50	R 2	1140797



Connection set with weldable tailpipes

Consisting of two tailpipes, union nuts and sealing rings.

Suitable for HydroControl V, D and A with external threads.

Nominal size	Item No.
DN 15	1069301 ⁘
DN 20	1069302 ⁘
DN 25	1069303 ⁘
DN 32	1069304 ⁘
DN 40	1069305 ⁘
DN 50	1069306 ⁘



Replacement impulse tube

Suitable for HydroControl D.

Description	Item No.
Length 1 m	1069090
Length 2 m	1069626 ⁘
Length 5 m	1069627 ⁘



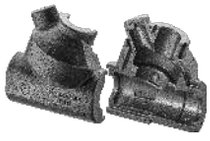
Insulation shell

Only for heating systems. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG).

Suitable for HydroControl V, M and A.

Max. operating temperature	110 °C

Nominal size	Item No.
DN 15	1069610
DN 20	1069611
DN 25	1069612
DN 32	1069613
DN 40	1069614
DN 50	1069615



Insulation shell

Only for heating systems. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG).

Suitable for HydroControl D.

Max. operating temperature	110 °C

Nominal size	Item No.
DN 15	1069620
DN 20	1069621
DN 25	1069622
DN 32	1069623
DN 40	1069624
DN 50	1069625



Insulation shell

Made of polyurethane rigid foam with polystyrene shell. For heating and cooling systems. Building material class B2 according to DIN 4102. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG). Cold insulation: Min. medium temperature 6 °C, insulation shells have to be bonded hermetically. Restricted diffusion tightness at low medium temperature and at high ambient temperature and/or air humidity.

Suitable for HydroControl VFC, VFN, VFR, VGC und A with flanges.

Operating temperature	-10 up to 130 °C

Nominal size	Item No.
DN 20	1062581 °
DN 25	1062582 °
DN 32	1062583 °
DN 40	1062584 °
DN 50	1062585 °
DN 65	1062586
DN 80	1062587
DN 100	1062588
DN 125	1062589
DN 150	1062590

° Production will be discontinued



HydroPort Extension

Consisting of two extensions for the HydroPort auxiliary valves (for measuring, venting and draining) fitted to the HydroControl double regulating valves.
Suitable for use with HydroControl V, M, D, A double regulating valves in conjunction with HydroControl insulation shells (item no. 106961.). The extensions allow connection to and operation of the HydroPort auxiliary valves without having to remove the insulation shell.
The extensions are fitted to the HydroPort auxiliary valves and secured with a grub screw.

Description	Item No.
HydroPort extensions, 2 x L = 50 mm, for HydroControl V with insulation shell	1069602
HydroPort extensions, 1 x L= 50 mm, 1 x L = 75 mm, for HydroControl M with insulation shell	1069603
HydroPort extensions, 2 x L = 75 mm, for universal insulations if required	1069604



Spindle extension

Length 35 mm.
For valve insulation with commercially available insulation material for HydroControl VFC, VFN, VFR, VGC, MFC and A with flanges. Not to be used in combination with Oventrop insulation shells.

Description	Item No.
For DN 10 to DN 50	1688296
For DN 65 to DN 150	1688297



Insert

Suitable for HydroControl V, M and A.

Pressure rating	PN 25	Presetting	Yes

Nominal size	Item No.
DN 15	1069020
DN 20	1069021
DN 25	1069022
DN 32	1069023
DN 40	1069024
DN 50	1069025



Handwheel

Suitable for HydroControl V and M.

Presetting	Yes

Description	Item No.
DN 15 - DN 50	9010514 ⁘

Wire seal kit

Suitable for HydroControl V, M, D and A, also in flanged version.
Not suitable for the stainless steel valves HydroControl VTS and VFS.



Description	Item No.
10-fold, consisting of seal and sealing wire	1089091

Securing bracket

Suitable for HydroControl V, M, D and A handwheel.



Description	Item No.
10 in a bag	9010515 ∷

Blocking set

Suitable for HydroControl V, M, D and A handwheel.



Description	Item No.
10 in a bag	9010513

HydroPort Measuring valve

Suitable for HydroControl V, M, D and A.



Description	Item No.
1 in a bag	9010516 ∷

Blind plug

Suitable for HydroControl V, M, D and A.



Description	Item No.
1 in a bag	9010520 ∷

Protection cap, red

Suitable for HydroControl V, M, D and A measuring valves.



Description	Item No.
10 in a bag	9010518 ∷

∷ New in the catalogue 2026



Protection cap, blue

Suitable for HydroControl V, M, D and A measuring valves.

Description	Item No.
10 in a bag	9010519 ⁘



HydroPort Adapter

For filling, venting and draining via HydroPort auxiliary valves. For permanent connection of a Hydromat impulse tube to HydroPort auxiliary valves. Can be secured with a grub screw. Made of brass.

Connection size	G ¾

Item No.
1069601



HydroPort Measuring adapter

Description	Item No.
Measuring adapter with HydroPort plug-in coupling and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks	1060297



Replacement insert

Suitable for HydroControl VFC and VFR up to DN 50.

Nominal size	Item No.
DN 20	1069006
DN 25	1069008
DN 32	1069010
DN 40	1069012
DN 50	1069016



Identification ring

Can be clipped onto the handwheel for pipeline identification.
Suitable for HydroControl VFC and VFR up to DN 50.

Description	Item No.
10-fold, blue	1069650
10-fold, red	1069651



Blocking set

Suitable for HydroControl VFC and VFR up to DN 50.

Description	Item No.
1-fold, consisting of blocking cap, seal and sealing wire	1060180



Wire seal and blocking set

This set allows the presetting on the handwheel to be blocked and lead-sealed.
10-fold consisting of sealing wire and, for DN 65 - DN 300, additionally with a blocking pin.

Suitable for HydroControl VTS and VFS stainless steel valves.

Description	Item No.
DN 15 - DN 50	1069401
DN 65 - DN 300	1069402



Handwheel for flanged valves

The use of the specific handwheel for the respective HydroControl flanged valve is detailed in the description below.

Description	Item No.
VFC / VFR / MFC: DN 65 and DN 80	9010264
VFC / VFR / MFC: DN 100 to DN 150; VFN / VGC: DN 65 to DN 125	9010274
VFC / VGC / VFR / MFC: DN 200	9010276
VFC/VGC/MFC: DN 250 and DN 300; VFN: DN 200 to DN 300	9010277
VFC: DN 350	9010298
VFC: DN 400	9010299



Classic Measuring valve

Suitable for all flanged valves with Classic measuring valves (except for HydroControl VFR/VFS). Made of DZR brass.

Description	Item No.
DZR brass, red/blue, set = 2 pieces	1060281



Classic Measuring valve, bronze

Suitable for HydroControl VFR. Made of bronze.

Connection size G ¼

Description	Item No.
Red/blue, set = 2 pieces	4209090



Measuring valve extension for Classic measuring valves

Suitable for all flanged valves with Classic measuring valves, made of bronze.

Connection size G ¼

Description	Item No.
Measuring valve extension L = 40 mm, 2 in a bag, system draining is required for mounting	1688295
Measuring valve extension L = 80 mm, 2 in a bag, system draining is required for mounting	1060295



Fill and drain valve

Description	Item No.
Fill and drain ball valve with G ¼ external thread	1060191

2.1 Hydronic balancing of risers in heating and cooling systems

HydroCom Double regulating valves 248

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**SIMPLY QUICKER –
THE NEW HYDROCOM**

Setting and shutting off is quick and easy with our new **HydroCom balancing valve** – in just a turn. And you can set the correct value directly, because the kv scale is printed on the handwheel. This saves you a lot of time, especially in larger objects. And you can control hydronic balancing reliably and easily.

HydroCom V Double regulating and commissioning valves



For automatic hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits.
Y-pattern valve with infinitely variable presetting. All functions accessible from the top. Supplied with two HydroPort auxiliary valves. Maintenance-free spindle sealing.

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-20 up to 120 °C
Presetting	Yes
Shutoff	Yes

Measuring connection	Yes
Draining	With HydroPort adapter
Impulse tube connection	Yes, via HydroPort
Body material	DZR brass
Insulation shell	Available as accessory

HydroCom V with internal thread PN 16



Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	2.00	1062704
DN 20	Rp ¾	3.70	1062706
DN 25	Rp 1	5.90	1062708
DN 32	Rp 1 ¼	13.00	1062710

HydroCom A Shutoff valves



For shutting off distribution pipes in central heating and cooling systems with closed circuits.
Y-pattern valve without presetting. Supplied with one HydroPort auxiliary valve for measuring, draining and filling on the downsteam side for the connection of the impulse tube of a differential pressure control valve. Maintenance-free spindle sealing.

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-20 up to 120 °C
Shutoff	Yes

Draining	With HydroPort adapter
Impulse tube connection	Yes, via HydroPort
Body material	DZR brass
Insulation shell	Available as accessory

HydroCom A with internal thread PN 16



Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	2.00	1062724
DN 20	Rp ¾	3.70	1062726
DN 25	Rp 1	5.90	1062728
DN 32	Rp 1 ¼	13.00	1062730

HydroCom - Accessories



Insulation shell

Only for heating systems. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG).

Suitable for HydroCom V and A.

Max. operating temperature	110 °C

Nominal size	Item No.
DN 15	1069660
DN 20	1069661
DN 25	1069662
DN 32	1069663



HydroPort S Measuring valve

Suitable for Hydrocom V and A.

Description	Item No.
1 in a bag	9010517 ∷



Blind plug

Suitable for Hydrocom V and A.

Description	Item No.
1 in a bag	9010521 ∷



Protection cap, red

Suitable for Hydrocom V and A measuring valves.

Description	Item No.
10 in a bag	9010518 ∷



Protection cap, blue

Suitable for Hydrocom V and A measuring valves.

Description	Item No.
10 in a bag	9010519 ∷

∷ New in the catalogue 2026

Blocking set

Suitable for Hydrocom V and A handwheel.



Description	Item No.
10 in a bag	9010512

HydroPort Adapter

For filling, venting and draining via HydroPort auxiliary valves. For permanent connection of a Hydromat impulse tube to HydroPort auxiliary valves. Can be secured with a grub screw. Made of brass.



Connection size	G ¾

Item No.
1069601

2.1 Hydronic balancing of risers in heating and cooling systems

Other regulating and pipeline valves 254

Hycoflow VTB Balancing valves..... 255
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Hycoflow VTB Balancing valves



For hydronic balancing of distribution pipes in central heating and cooling systems with closed circuits. The integrated flow indicator allows for easy balancing by directly reading the water quantity.

Medium	Water Water-glycol mixture
Pressure rating	PN 10
Operating temperature	up to 100 °C
Presetting	Yes

Shutoff	Yes
Measuring connection	No
Body material	Brass
Insulation shell	No



Hycoflow VTB with external thread PN 10

Connections	External thread

Nominal size	Connection size	Control range *(l/h)*	Kvs	Item No.
DN 20	G ¾	240 up to 1,020	3.00	1060906
DN 25	G 1	600 up to 2,400	8.30	1060908
DN 32	G 1 ¼	1,200 up to 4,200	13.70	1060910



Hycoflow VTB with union nut / external thread PN 10

Connection size	G 1	Connections	Union nut / External thread

Nominal size	Control range *(l/h)*	Kvs	Item No.
DN 25	300 up to 2,400	5.50	1060925

Differential pressure overflow valves



For pump hot water heating systems PN 10. With visual indicator to ensure a minimum flow rate or to reduce flow noises.

Medium	Water	Measuring connection	No
Connections	Internal thread	Draining	No
Pressure rating	PN 10	Body material	Brass
Operating temperature	up to 120 °C	Insulation shell	No
Shutoff	No		



Differential pressure overflow valve with internal thread PN 10

Nominal size	Connection size	Nominal value differential pressure *(mbar)*	Item No.
DN 20	Rp ¾	50 up to 500	1085206
DN 25	Rp 1	50 up to 500	1085208
DN 32	Rp 1 ¼	50 up to 500	1085210

2.1 Hydronic balancing of risers in heating and cooling systems

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HydroControl - Accessories and spare parts (still part of the programme)



Ofix Compression fitting

Ofix CEP, 1-fold, for copper pipes according to DIN EN 1057, pressure screw nickel-plated, metal to metal sealing.

Suitable for HydroControl VTR, MTR and ATR with internal thread.

Nominal size	Connection size	Item No.
DN 10	G ⅜ x 10 mm	1027151
DN 10	G ⅜ x 12 mm	1027152
DN 15	G ½ x 12 mm	1027153
DN 15	G ½ x 15 mm	1027155
DN 20	G ¾ x 18 mm	1027157
DN 20	G ¾ x 22 mm	1027158



Flat sealing externally threaded tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Connection size	Item No.
DN 10	R ⅜	1061491
DN 15	R ½	1061492
DN 20	R ¾	1061493
DN 25	R 1	1061494
DN 32	R 1 ¼	1061495
DN 40	R 1 ½	1061496
DN 50	R 2	1061497



Flat sealing weldable tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Item No.
DN 10	1060591
DN 15	1060592
DN 20	1060593
DN 25	1060594
DN 32	1060595
DN 40	1060596
DN 50	1060597



Blocking set

Suitable for HydroControl VTR, VFC, VFN, VFR, VGC, MTR and ATR up to DN 50.

Description	Item No.
1-fold, consisting of blocking cap, seal and sealing wire	1060180



Identification ring

Can be clipped onto the handwheel for pipeline identification.

Suitable for HydroControl VTR, VFC, VFR and MTR up to DN 50.

Description	Item No.
10-fold, blue	1069650
10-fold, red	1069651



Replacement insert

Suitable for HydroControl VTR, VFC, VFN, VFR, VGC, MTR and ATR up to DN 50.

Nominal size	Item No.
DN 10	1069003
DN 15	1069004
DN 20	1069006
DN 25	1069008
DN 32	1069010
DN 40	1069012
DN 50	1069016



Measuring valve extension for Classic measuring valves

Connection size	G ¼

Description	Item No.
Measuring valve extension L = 40 mm, 2 in a bag, system draining is required for mounting	1688295
Measuring valve extension L = 80 mm, 2 in a bag, system draining is required for mounting	1060295

Hydromat - Accessories and spare parts (still part of the programme)



Ofix Compression fitting

Ofix CEP, 1-fold, for copper pipes according to EN 1057. Pressure screw nickel-plated, metal to metal sealing.

Suitable for Hydromat DTR with internal threads.

Nominal size	Connection size	Item No.
DN 15	G ½ x 12 mm	1027153
DN 15	G ½ x 15 mm	1027155
DN 20	G ¾ x 18 mm	1027157
DN 20	G ¾ x 22 mm	1027158



Flat sealing externally threaded tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Connection size	Item No.
DN 15	R ½	1061492
DN 20	R ¾	1061493
DN 25	R 1	1061494
DN 32	R 1 ¼	1061495
DN 40	R 1 ½	1061496
DN 50	R 2	1061497



Flat sealing weldable tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Item No.
DN 15	1060592
DN 20	1060593
DN 25	1060594
DN 32	1060595
DN 40	1060596
DN 50	1060597

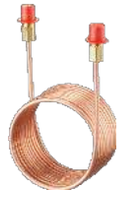


Replacement diaphragm actuator

Suitable for Hydromat DTR.

Pressure rating	PN 16	Body material	DZR brass

Nominal size	Nominal value differential pressure *(mbar)*	Item No.
DN 15	100 up to 400	9010528
DN 20	100 up to 400	9010529
DN 25	100 up to 400	9010530
DN 32	100 up to 400	9010531
DN 40	100 up to 400	9010532



Replacement impulse tube

Description	Item No.
For Hydromat DTR (from 2012) and Hycocon DTZ, 2 m long	1062095

Hycocon - Accessories and spare parts (still part of the programme)



Ofix Compression fittings

Ofix CEP, 1-fold, for copper pipes according to DIN EN 1057, pressure screw nickel-plated, metal to metal sealing.

Suitable for Hycocon VTZ, DTZ and ATZ with internal thread.

Nominal size	Connection size	Item No.
DN 15	G ½ x 12 mm	1027153
DN 15	G ½ x 15 mm	1027155
DN 20	G ¾ x 18 mm	1027157
DN 20	G ¾ x 22 mm	1027158



Flat sealing externally threaded tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Connection size	Item No.
DN 15	R ½	1061492
DN 20	R ¾	1061493
DN 25	R 1	1061494
DN 32	R 1 ¼	1061495
DN 40	R 1 ½	1061496
DN 50	R 2	1061497



Flat sealing weldable tailpipe, 2-fold

Consisting of two tailpipes. Without union nuts and sealing rings.

Suitable for valves with flat sealing external thread which are supplied with union nuts and sealings rings.

Pressure rating	PN 16	Operating temperature	-20 up to 150 °C

Nominal size	Item No.
DN 15	1060592
DN 20	1060593
DN 25	1060594
DN 32	1060595
DN 40	1060596
DN 50	1060597



Conversion valve insert for Hycocon DN 15 to DN 25

Hycocon VTZ, ATZ, ETZ and HTZ DN 15 to DN 25 can be retrofitted with the valve inserts listed below. This can be done with the Oventrop Demo-Bloc special tool under system pressure.
Depending on the valve insert used, further accessories are necessary, for example an actuator or thermostat.

Description	Item No.
For Unibox and RTLH valves, M 30 x 1.5	1026981
For KTB valves, opens when the sensor temperature rises	1147169
For PTB valves and Cocon 2TZ, DN 15, kvs = 0.45	1186052
For PTB valves and Cocon 2TZ, DN 15, kvs = 1.00	1186053
For Cocon 2TZ, DN 15, kvs = 1.80	1186054
For A thermostatic valves (especially for steam systems), M 30 x 1.5	1186200
For reversed supply and return pipe, for A, AV 9, ADV 9, CV 9, E, AF, RF and RFV 9 thermostatic valves as well as Hycocon ATZ and VTZ, M 30 x 1.5, without presetting	1187070
For Combi LR with cap for Hycocon valves	1187071
For AF thermostatic valves, M 30 x 1.5, kv = 0.32	1187352



Replacement valve insert for Hycocon

Description	Item No.
For Hycocon ATZ, APZ, VTZ and VPZ, DN 15 to DN 25	1067065
For Hycocon HTZ, DTZ, VTZ and VPZ, DN 32	1067066
For Hycocon HTZ, DTZ, VTZ and VPZ, DN 40	1067067
For Hycocon HTZ and DTZ, DN 15 to DN 25	1067085



Handwheel with presetting

For the conversion of Hycocon ATZ shutoff valves to Hycocon VTZ double regulating valves.

Nominal size	Item No.
DN 15	1061793
DN 20	1061794
DN 25	1061795
DN 32	1061796
DN 40	1061797



Diaphragm actuator

For the conversion of a Hycocon ATZ shutoff valve or a Hycocon VTZ double regulating valve to a Hycocon DTZ differential pressure control valve. Note that the impulse tube supplied requires a connection in the supply pipe (or in the return pipe if the valve to be converted is installed in the supply pipe). DN 15 to DN 25: the valve insert must be replaced for the conversion (included in the scope of delivery). This can be done with the Oventrop Demo-Bloc special tool under system pressure.

Description	Item No.
For DN 15 to DN 25, nominal value 50-300 mbar	1062082
For DN 15 to DN 25, nominal value 250-600 mbar	1062282



Adapter for impulse tube connection

Description	Item No.
Adapter for connecting the impulse tube to a G ¾ external thread	1062090
Adapter for connecting the impulse tube to a G ¼ internal thread	1609302

Blocking pin with sealing wire



For blocking the set nominal values.

Description	Item No.
For Hycocon VTZ and Aquastrom T plus	1061792
For Hycocon DTZ differential pressure control valve	1062092

Eco Measuring technique



Description	Item No.
Measuring adapter with HydroPort plug-in coupling and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks	1060297
Drain and fill tool for Hycocon double regulating valves	1061791

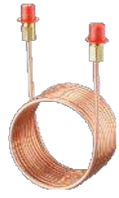
Demo-Bloc



Special tool for the replacement of Hycocon valve inserts DN 15 to DN 25 under system pressure - except for Hycocon DTZ differential pressure control valves.

Description	Item No.
Including coupling set for thermostatic valves M 30 x 1.5 and AQ/AQH thermostatic valves	1188051
Spindle for differential pressure measurement at the thermostatic valve	1188093
Cleaning head for all valves	1188400

Replacement impulse tube



Description	Item No.
For Hydromat DTR (from 2012) and Hycocon DTZ, 2 m long	1062095

Replacement measuring and drain unit



Description	Item No.
Measuring and drain unit for valves with Eco measuring technique	1061790
Plug for valves with Eco measuring technique	1061798

2.2 Hydronic balancing with pressure independent control valves

Cocon Q Pressure independent control valves 267

Cocon QTZ Pressure independent control valves DN 10 to DN 32 269
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Cocon Q Pressure independent control valves DN 40 to DN 200 273
Cocon QDP Differential pressure control valve with flow limitation DN 15 to DN 32 275
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2.2 Hydronic balancing with pressure independent control valves

Cocon Q Pressure independent control valves **267**

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Cocon QTR Pressure independent control valves DN 40 and DN 50 272
Cocon Q Pressure independent control valves DN 40 to DN 200 273
Cocon QDP Differential pressure control valve with flow limitation DN 15 to DN 32 275
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Remains balanced under pressure.
Automatic hydronic balancing.



OUR COCON QTZ:
THE PRESSURE-INDEPENDENT CONTROL VALVE

Our **Cocon QTZ** is a pressure-independent control valve – the solution for automatic hydronic balancing of heat exchangers such as fan coil units or cooling ceilings. You can set and read it easily, even with mounted actuator. The **Cocon QTZ** provides precise control of the flow, no matter what. As part of our pioneering modular system for hydronic balancing.

More at
cocon.oventrop.com

Cocon QTZ Pressure independent control valves DN 10 to DN 32



Pressure independent control valve for dynamic hydronic balancing of heat exchangers, for example fan coil uits or cooling ceilings and distribution pipes in heating and cooling systems with closed circuits. The valve combination consists of an automatically operating flow controller and a control valve and can be equipped with an actuator or a manual regulating head.
Two-way valve, with secured, lead-sealable, infinitely variable flow limitation. Direct setting in litres per hour. Readability of the set value possible from the outside, independent of the handwheel position, even with an actuator mounted. Valves with blind plugs can be retrofitted with Classic measuring valves. All DN 15 and DN 20 valves with internal thread are suitable for copper pipe with compression fittings.
Valve body and wetted parts made of dezincification resistant brass, plastic, stainless steel, EPDM or PTFE. Maintenance-free spindle sealing.
Cocon QTZ are characterized by easy adjustability, compact dimensions and best control quality.

Medium	Water Water-glycol mixture
Operating temperature	-10 up to 120 °C
Presetting	Yes
Shutoff	Yes

Body material	DZR brass
Connection actuator	M 30 x 1.5
Insulation shell	Available as accessory

Cocon QTZ with coupling and internal thread



Connections: Coupling / Internal thread — Measuring connection: Closed with blind plug

Nominal size	Connection size	Pressure rating	Control range *(l/h)*	Kvs	Item No.
DN 15	R ½ x Rp ½	PN 16	30 up to 210	0.50	1145504
DN 15	R ½ x Rp ½	PN 16	150 up to 1,050	1.80	1145704
DN 15	R ½ x Rp ½	PN 25	200 up to 1,300	2.10	1143704
DN 20	R ¾ x Rp ¾	PN 16	150 up to 1,050	1.80	1145506
DN 20	R ¾ x Rp ¾	PN 25	250 up to 1,800	3.10	1143606
DN 25	R 1 x Rp 1	PN 25	400 up to 2,500	4.10	1143608
DN 32	R 1 ¼ x Rp 1 ¼	PN 25	600 up to 4,800	8.40	1143610

Cocon QTZ with coupling and internal thread, with two mounted Classic measuring valves



Connections: Coupling / Internal thread — Measuring connection: Yes

Nominal size	Connection size	Pressure rating	Control range *(l/h)*	Kvs	Item No.
DN 15	R ½ x Rp ½	PN 16	30 up to 210	0.50	1146004
DN 15	R ½ x Rp ½	PN 16	150 up to 1,050	1.80	1146204
DN 15	R ½ x Rp ½	PN 25	200 up to 1,300	2.10	1143304
DN 20	R ¾ x Rp ¾	PN 16	150 up to 1,050	1.80	1146006
DN 20	R ¾ x Rp ¾	PN 25	250 up to 1,800	3.10	1143206
DN 25	R 1 x Rp 1	PN 25	400 up to 2,500	4.10	1143208
DN 32	R 1 ¼ x Rp 1 ¼	PN 25	600 up to 4,800	8.40	1143210



Cocon QTZ with external thread

Nominal sizes DN 10, DN 25 and DN 32 flat sealing. Nominal sizes DN 15 and DN 20 conically sealing, with insert 1661100 (for DN 15) or 1650793 (for DN 20) flat sealing.

Connections	External thread	Measuring connection	Closed with blind plug

Nominal size	Connection size	Pressure rating	Control range (l/h)	Kvs	Item No.
DN 10	G ½	PN 16	30 up to 210	0.50	1145563
DN 10	G ½	PN 16	90 up to 450	1.10	1145663
DN 10	G ½	PN 25	150 up to 700	1.70	1143663
DN 15	G ¾	PN 16	30 up to 210	0.50	1145564
DN 15	G ¾	PN 16	150 up to 1,050	1.80	1145764
DN 15	G ¾	PN 25	200 up to 1,300	2.10	1143764
DN 20	G 1	PN 16	150 up to 1,050	1.80	1145566
DN 20	G 1	PN 25	250 up to 1,800	3.10	1143666
DN 25	G 1 ¼	PN 25	400 up to 2,500	4.10	1143668
DN 32	G 1 ¾	PN 25	600 up to 4,800	8.40	1143670



Cocon QTZ with external thread, with two mounted Classic measuring valves

Nominal sizes DN 10, DN 25 and DN 32 flat sealing. Nominal sizes DN 15 and DN 20 conically sealing, with insert 1661100 (for DN 15) or 1650793 (for DN 20) flat sealing.

Connections	External thread	Measuring connection	Yes

Nominal size	Connection size	Pressure rating	Control range (l/h)	Kvs	Item No.
DN 10	G ½	PN 16	30 up to 210	0.50	1146063
DN 10	G ½	PN 16	90 up to 450	1.10	1146163
DN 10	G ½	PN 25	150 up to 700	1.70	1143263
DN 15	G ¾	PN 16	30 up to 210	0.50	1146064
DN 15	G ¾	PN 16	150 up to 1,050	1.80	1146264
DN 15	G ¾	PN 25	200 up to 1,300	2.10	1143364
DN 20	G 1	PN 16	150 up to 1,050	1.80	1146066
DN 20	G 1	PN 25	250 up to 1,800	3.10	1143266
DN 25	G 1 ¼	PN 25	400 up to 2,500	4.10	1143268
DN 32	G 1 ¾	PN 25	600 up to 4,800	8.40	1143270



Cocon QTZ with internal thread

Connections	Internal thread	Measuring connection	Closed with blind plug

Nominal size	Connection size	Pressure rating	Control range (l/h)	Kvs	Item No.
DN 15	Rp ½	PN 16	30 up to 210	0.50	1147504
DN 15	Rp ½	PN 16	150 up to 1,050	1.80	1147704
DN 15	Rp ½	PN 25	200 up to 1,300	2.10	1147404
DN 20	Rp ¾	PN 16	150 up to 1,050	1.80	1147506
DN 20	Rp ¾	PN 25	250 up to 1,800	3.10	1147306
DN 25	Rp 1	PN 25	400 up to 2,500	4.10	1147308
DN 32	Rp 1 ¼	PN 25	600 up to 4,800	8.40	1147310



Cocon QTZ with internal thread, DN 15...32, with two mounted Classic measuring valves

Connections: Internal thread | Measuring connection: Yes

Nominal size	Connection size	Pressure rating	Control range (l/h)	Kvs	Item No.
DN 15	Rp ½	PN 16	30 up to 210	0.50	1148504
DN 15	Rp ½	PN 16	150 up to 1,050	1.80	1148704
DN 15	Rp ½	PN 25	200 up to 1,300	2.10	1149404
DN 20	Rp ¾	PN 16	150 up to 1,050	1.80	1148506
DN 20	Rp ¾	PN 25	250 up to 1,800	3.10	1149306
DN 25	Rp 1	PN 25	400 up to 2,500	4.10	1149308
DN 32	Rp 1 ¼	PN 25	600 up to 4,800	8.40	1149310



Cocon QTZ with external thread, with two mounted Classic measuring valves and mounted metering station

Connections: External thread | Measuring connection: Yes

Nominal size	Connection size	Pressure rating	Control range (l/h)	Kvs	Item No.
DN 15	G ¾	PN 16	30 up to 210	0.50	1144564
DN 15	G ¾	PN 16	150 up to 1,050	1.80	1144764
DN 15	G ¾	PN 25	200 up to 1,300	2.10	1145064
DN 20	G 1	PN 16	150 up to 1,050	1.80	1144566
DN 20	G 1	PN 25	250 up to 1,800	3.10	1144966

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Cocon QTR Pressure independent control valves DN 40 and DN 50



Pressure independent control valve for dynamic hydronic balancing of heat exchangers, for example fan coil units or air conditioning units and distribution pipes in heating and cooling systems with closed circuits. The valve combination consists of an automatically operating flow controller and a control valve and can be equipped with an actuator.
Two-way valve, with secured, lead-sealable, infinitely variable flow limitation. Direct setting in m^3 per hour. Readability of the set value independent of the handwheel position.
Valve body and wetted parts made of bronze, dezincification resistant brass, stainless steel, EPDM or PTFE. Maintenance-free spindle sealing. Supplied with two Classic measuring valves.
Cocon QTR are characterized by easy adjustability, compact dimensions and best control quality.

Medium	Water Water-glycol mixture
Operating temperature	-10 up to 120 °C
Presetting	Yes
Shutoff	Yes
Measuring connection	Yes
Connection actuator	Yes
Insulation shell	No



Cocon QTR with external thread

Flat sealing, without union nuts and sealing rings.

Connections	External thread

Nominal size	Connection size	Pressure rating	Control range *(l/h)*	Control range *(m^3/h)*	Kvs	Body material	Item No.
DN 40	G 1 ¾	PN 25	1,500 up to 7,500	1.5 up to 7.5	11.50	Brass	1143272
DN 50	G 2 ⅜	PN 25	3,500 up to 14,000	3.5 up to 14	18.50	Brass	1143276
DN 40	G 1 ¾	PN 16	1,500 up to 7,500	1.5 up to 7.5	11.50	Bronze	1146172 °
DN 50	G 2 ⅜	PN 16	2,500 up to 10,000	2.5 up to 10	15.00	Bronze	1146174 °



Cocon QTR with internal thread PN 25

Connections	Internal thread	Body material	Brass
Pressure rating	PN 25		

Nominal size	Connection size	Control range *(l/h)*	Control range *(m^3/h)*	Kvs	Item No.
DN 40	Rp 1 ½	1,500 up to 7,500	1.5 up to 7.5	11.50	1146112
DN 50	Rp 2	3,500 up to 14,000	3.5 up to 14	18.50	1143116

° Production will be discontinued

Cocon Q Pressure independent control valves DN 40 to DN 200



Pressure independent control valve for dynamic hydronic balancing of heat exchangers, for example air conditioning units and distribution pipes in heating and cooling systems with closed circuits. The valve combination consists of an automatically operating flow controller and a control valve and can be equipped with an actuator.
Two-way valve, with secured, lead-sealable, infinitely variable flow limitation. Direct setting in m^3 per hour. Readability of the set value independent of the handwheel position.
Valve body made of cast iron or nodular cast iron, wetted parts made of cast iron, nodular cast iron, bronze, dezincification resistant brass, stainless steel, EPDM or PTFE. Maintenance-free spindle sealing. Supplied with two Classic measuring valves.
Cocon QFC and QGC are characterized by easy adjustability, compact dimensions and best control quality.

Medium	Water Water-glycol mixture
Operating temperature	-10 up to 120 °C
Presetting	Yes
Shutoff	Yes
Measuring connection	Yes
Connection actuator	Yes
Insulation shell	No



Cocon QFC with flanges according to EN 1092-2 PN 16

Connections	Flange EN 1092-2	Body material	Cast iron
Pressure rating	PN 16		

Nominal size	Control range (l/h)	Control range (m^3/h)	Kvs	Item No.
DN 40	1,500 up to 7,500	1.5 up to 7.5	11.50	1146149
DN 50	2,000 up to 8,000	2 up to 8	12.00	1146150
DN 65	5,000 up to 20,000	5 up to 20	36.00	1146151
DN 80	7,500 up to 30,000	7.5 up to 30	56.00	1146152
DN 100	12,500 up to 50,000	12.5 up to 50	80.00	1146153
DN 125	27,000 up to 108,000	27 up to 108	150.00	1146154
DN 150	36,000 up to 150,000	36 up to 150	220.00	1146155
DN 200	55,000 up to 190,000	55 up to 190	270.00	1146156



Cocon QFC with flanges according to EN 1092-2 PN 25

Connections	Flange EN 1092-2	Pressure rating	PN 25

Nominal size	Control range (l/h)	Control range (m^3/h)	Kvs	Body material	Item No.
DN 40	1,500 up to 7,500	1.5 up to 7.5	11.50	Cast iron	1146649 °
DN 50	2,000 up to 8,000	2 up to 8	12.00	Cast iron	1146650 °
DN 65	5,000 up to 20,000	5 up to 20	36.00	Nodular cast iron	1146651 °
DN 80	7,500 up to 30,000	7.5 up to 30	56.00	Nodular cast iron	1146652 °
DN 100	12,500 up to 50,000	12.5 up to 50	80.00	Nodular cast iron	1146653 °
DN 125	27,000 up to 108,000	27 up to 108	150.00	Nodular cast iron	1146654 °
DN 150	36,000 up to 150,000	36 up to 150	220.00	Nodular cast iron	1146655 °
DN 200	55,000 up to 190,000	55 up to 190	270.00	Nodular cast iron	1146656 °

° Production will be discontinued



Cocon QFC with flanges with hole circles according to ANSI class 150 PN 16

Pressure rating PN 16 | Body material Cast iron

Nominal size	Connections	Connection size	Control range (m^3/h)	Kvs	Item No.
DN 40	ANSI flange	1 ½"	1.5 up to 7.5	11.50	1676149
DN 50	ANSI flange	2"	2 up to 8	12.00	1676150
DN 65	ANSI flange	2 ½"	5 up to 20	36.00	1676151
DN 80	ANSI flange	3"	7.5 up to 30	56.00	1676152
DN 100	ANSI flange	4"	12.5 up to 50	80.00	1676153
DN 125	ANSI flange	5"	27 up to 108	150.00	1676154
DN 150	ANSI flange	6"	36 up to 150	220.00	1676155
DN 200	ANSI flange	8"	55 up to 190	270.00	1676156



Cocon QGC with grooves PN 25

Suitable for couplings of the Victaulic, Grinnell, or similar systems.

Pressure rating PN 25 | Body material Cast iron

Nominal size	Connections	Connection size	Control range (l/h)	Control range (m^3/h)	Kvs	Item No.
DN 65	Groove	2 ½" - 73.0 mm	5,000 up to 20,000	5 up to 20	36.00	1676351
DN 80	Groove	3" - 88.9 mm	7,500 up to 30,000	7.5 up to 30	56.00	1676352
DN 100	Groove	4" - 114.3 mm	12,500 up to 50,000	12.5 up to 50	80.00	1676353

Cocon QDP Differential pressure control valve with flow limitation DN 15 to DN 32



Differential pressure control valve with flow limitation and zone control for installation in heating and cooling systems.
The valve combination can be equipped with and actuator or a manual regulating head. In addition, the maximum differential pressure is limited via the control zone. Installation only in the return.
Two-way valve, with secured, lead sealable, infinitely adjustable flow limitation. Direct setting with the handwheel. Readability of the set value independent of the handwheel position. Maintenance-free spindle sealing.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 25
Operating temperature	-10 up to 120 °C
Presetting	Yes

Shutoff	Yes
Impulse tube connection	Yes
Body material	DZR brass
Connection actuator	M 30 x 1.5



Cocon QDP with external thread PN 25

Nominal size	Connection size	Control range *(l/h)*	Item No.
DN 15	G ¾	170 up to 760	1144604
DN 20	G 1	260 up to 1,580	1144606
DN 25	G 1 ¼	280 up to 1,830	1144608
DN 32	G 1 ¾	550 up to 2,830	1144610

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Cocon - Accessories



Connection set with externally threaded tailpipes

Consisting of two tailpipes with O-rings and union nuts.
In conjunction with Cocon QTZ PN 25 suitable for operating pressure up to a maximum of 25 bar. Also suitable for Cocon QTZ PN 16 with operating pressure up to a maximum of 16 bar.

Nominal size	Connection size	Item No.
DN 10	R ⅜	1140281
DN 15	R ½	1140282
DN 20	R ¾	1140284
DN 25	R 1	1140285
DN 32	R 1 ¼	1140286



Insert

Inserts allow for the use of flat sealing tailpipes or connection sets with conically sealing valves. For cone according to DIN EN 16313 (Eurocone), set = 2 pieces

Nominal size	Item No.
DN 15	1661100
DN 20	1650793



Insulation shell

Insulation consisting of two shells. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG). Cold insulation: Min. medium temperature 6 °C, insulation shells have to be bonded hermetically. Restricted diffusion tightness at low medium temperature and at high ambient temperature and/or air humidity.

Operating temperature	-10 up to 120 °C

Nominal size	Pressure rating	Item No.
DN 15 and DN 20	PN 16	1149104
DN 10 and DN 15	PN 25	1149120
DN 20 and DN 25	PN 25	1149121
DN 32	PN 25	1149122



Spindle extension

Is required if Cocon QTZ valves are to be equipped with thermal insulation shells and actuators.

Description	Item No.
Spindle extension 25 mm	1149190

Adapter for rotary actuator.

For Cocon QTZ. For converting a rotary movement into a stroke lift.



Description	Item No.
Adapter rotary movement	1149095

Accessories and spare parts for Cocon QDP



Description	Item No.
Connection piece for impulse tube G1 x G1 x M8	9010509
Connection elbow for impulse tube G1 x G1 x M8	9010510
Impulse tube, length 0.5 m	9010511

2.2 Hydronic balancing with pressure independent control valves

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Actuators for small control valves

Product family	Hycocon		Cocon small valves up to DN32			Control valves
						
	ETZ	HTZ	QTZ PN16	QTZ PN25	QDP	Tri CTB
DN	**15…25**	**15… 25 32 40**	**10… 20 20 25… 32**	**10,15 LF 10… 32**	**20…25**	**15…50**
Item no.	106836. 106846.	10685.. 10686..	1145., 1146., 11475.., 1148.	1143., 1147., 1149.	1144606 1144608	11313..
PN	16	16	16	25	25	16
Connection	M30 x 1.5	M30 x 1.5	M30 x 1.5	M30 x 1.5	M30 x 1.5	M30 x 1.5
Closing dimension [mm]	11.8	11.8	11.8	11.8	11.8	—
Δp max [bar]	1	5 3 2	4	6	4	—
Valve stroke [mm]	2,2	3 4 4	2,8 3,5 4	2,8 4	4	2,8
Upper stroke position [mm]	≥14.0	≥15.8	≥14.6 — ≥15.8	≥14.6 — ≥15.8	≥15.8	≥14.6
Lower stroke position [mm]	≤11.3	≤11.3	≤11.3	≤11.3	≤11.3	≤11.3
Closing force [N] min…max	90…150	90…150	90…150	90…150	90…150	90…150
Valve characteristic line						

Item		Item no.	Version						
Thermal actuators with connection thread M30 x 1.5									
	Aktor T	1012415	NC, 230V AC, on/off	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012452	With 2 m connecting cable	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012455	With 5 m connecting cable	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012459	With 10 m connecting cable	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012435	With auxiliary switch	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012425	NO, 230V AC, on/off	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012416	NC, 24V AC/DC, on/off	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012442	With 2 m connecting cable	With adapter 1012462	With adapter 1012462	●	●	●	●
		1012426	NO, 24V AC/DC, on/off	With adapter 1012462	With adapter 1012462	●	●	●	●
	Aktor T	1012953	NC, 24V AC, modulating 0…10V	O*	O*	●*	●*	O*	●*
Motorised actuators with connection thread M30 x 1.5									
	Aktor M	1012710	Short running time, 230V AC, on/off	●	●	O	O	O	●
		1012711	Short running time, 24V AC, on/off	●	●	O	O	O	●
	Aktor M	1012729	230V AC, on/off / floating	O	O	●	●	O	●
		1012725	24V AC/DC, modulating 0…10V, on/off/ floating	O	O	●	●	O	●
		1012726	24V AC/DC, modulating 0…10V, with position feedback	O	O	●	●	O	●
		1012717	24V AC/DC, modulating 0…10V, with position feedback and emergency control function	O	O	●	●	O	●
		1012745	24V AC/DC, Modbus	O	O	●	●	O	O
	Aktor M KNX	1012746	21…32V DC, KNX	●	●	●	●	●	●

● fits mechanically, is recommended in terms of control technology
O fits mechanically, is not recommended in terms of control technology

*Control stroke ≥ effective valve stroke

Actuators for large and flanged control valves

Product family	Cocon large valves from DN40					Control valves	
							
	QTR	QFC			QGC	2/3-way valves	
DN	**40, 50**	**40, 50**	**65...100**	**125...200**	**65...100**	**15...50**	**65...150**
Item no.	11461.. 11432.. 1143116	11461.. 11466..	114615. 114665.	114615. 114665.	167635.	11308.. 16708..	11308.. 16708..
PN	16/25	16/25	16/25	16/25	25	16	16
Connection	Squeeze	Squeeze	Squeeze	Squeeze	Squeeze	Squeeze	Squeeze
Δp max [bar]	4/6	4	4	4	4	0.7...12.1	0.7...12.1
Valve stroke [mm]	10	10	20	36/40	20	10	30/40
Closing force [N]	500/ 800/ 1.000	500/ 800/ 1.000	800/ 1.000/ 1.200	800/ 1.000/ 1.200	800/ 1.000	500	2.000
Valve characteristic line							

Item	Item no.	Version							
Aktor M 	1158011	24V AC/DC, modulating 0...10V, on/off / floating, without adapter	—	—	—	—	—	●	—
Aktor M 	1158012	24V AC/DC, modulating 0...10V, on/off / floating, with adapter	●	●	—	—	—	—	—
	1158013	24V AC/DC, modulating 0...10V, on/off, wit adapter, with emergency control function	●	●	—	—	—	—	—
	1158014	24V AC/DC, Modbus, with adapter	●	●	—	—	—	—	—
Aktor M 	1158023	24V AC/DC, modulating 0(2)-10V or 0(4)-20mA, on/off / floating, with adapter	●	●	●	—	●	—	—
	1158021	24V AC, modulating 0(2)-10V or 0(4)-20mA, on/off / floating, with adapter, with spring return, normally opening	●	●	●	—	●	—	—
	1158022	As 1158021, but normally closing	●	●	●	—	●	—	—
Aktor M 	1158030	24V AC/DC, modulating 0...10V, 4-20mA, on/off / floating, with adapter	—	—	—	●	—	—	●
	1158031	Additionally with spring return, normally opening	—	—	—	●	—	—	●
	1158032	As 1158031, but normally closing	—	—	—	●	—	—	●

Aktor T Thermal actuators



Thermal actuators are used for heating, ventilation and air conditioning. The actuators can be used for room temperature control or as zone valves.
They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds, radiant heating ceilings, cooling ceilings and induction units in conjunction with on/off room thermostats.

All thermal actuators are protected against overvoltage, a varistor is not required.

Oventrop offers actuators in the variants "normally closed" and "normally open". The model with auxiliary switch can switch e.g. a pump directly via the integrated, potential-free contact.

Valve connection	Connection thread M 30 x 1.5	Mounting	Plug-in connection with valve adapter
Installation position	Position-independent	Stroke	5 mm



Aktor T 2P on/off control (PWM)

Voltage	Version	Cable* *(m)*	Item No.
230 V AC	normally closed	1.00	1012415
230 V AC	"Normally open"	1.00	1012425
230 V AC	"Normally closed" with integrated auxiliary switch	1.00	1012435
230 V AC	normally closed	2.00	1012452
230 V AC	normally closed	5.00	1012455
230 V AC	normally closed	10.00	1012459
24 V AC / DC	normally closed	1.00	1012416
24 V AC / DC	"Normally open"	1.00	1012426
24 V AC / DC	normally closed	2.00	1012442



Aktor T ST 0 - 10 V control

Voltage	Version	Cable* *(m)*	Item No.
24 V AC	normally closed	1.00	1012953

Aktor T - Accessories



Valve adapter

Description	Item No.
Connection thread M 30 x 1.5	1012461
Connection thread M 30 x 1.5, high model (11 mm), necessary when using the actuators item no. 10124.. and 1012953 with Hycocon ETZ/HTZ or Multiblock T/TU/TFU/TQ and the design cover	1012462
For Oventrop valves with connection thread M 30 x 1.0 (manufactured until 1998)	1012890



Reinforcing cap

Description	Item No.
For thermal actuators, including special valve adapter with connection thread M 30 x 1.5 for installation	1012450

Aktor M Motorised actuators



Motorised actuators are used for heating, ventilation and air conditioning. Amongst others, the actuators can be used for room temperature control. They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds (except for item no. 1012710 / 11), radiant heating ceilings, cooling ceilings and induction units.

Oventrop offers motorised actuators with and without communication interfaces.



Aktor M modulating with 0 - 10 V

With the electrical emergency control function, the actuator moves to a predefined stroke position in the event of a supply voltage failure. Various characteristic lines can be set for Cocon QTZ (item no. 1012717, PN 25 only).

Valve connection	Connection thread M 30 x 1.5
Modulating proportional actuator	Yes
Automatic valve blocking protection function	Yes

Direction of action adjustable	Yes
Stroke	4 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Electrical emergency control function	Additional on/off / floating control	Position feedback	Item No.
24 V AC / DC	Yes	No	Yes	1012717
24 V AC / DC	No	Yes	No	1012725
24 V AC / DC	No	No	Yes	1012726



Aktor M on/off and floating control

Valve connection	Connection thread M 30 x 1.5
Automatic valve blocking protection function	No
Direction of action adjustable	No

Stroke	4 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Item No.
230 V AC	1012729

 Cable = Cable length

Aktor M on/off control, with short running time (3 s)



Valve connection	Connection thread M 30 x 1.5	Contact open - drive tappet retracts	Yes
Automatic valve blocking protection function	No	Cable*	1.50 m
Stroke	6.5 mm		

Voltage	Item No.
230 V AC	1012710
24 V AC / DC	1012711

Aktor M modulating with 0 - 10 V or on/off control

For Cocon QTR / QFC DN 40 / 50, including adapter.



Automatic valve blocking protection function	Yes	Cable*	1.50 m
Stroke	10 mm		

Voltage	Position feedback	Characteristic line	Note	Item No.
24 V AC / DC	0 - 10 V	Adjustable	Additionally also for floating control	1158012
24 V AC / DC	2 - 10 V	-	Additionnally with emergency control function (failsafe)	1158013

Aktor M modulating with 0 - 10 V or on/off / floating control

For two-way valve item no. 11308.. and 16708.. DN 15 to DN 50.



Automatic valve blocking protection function	Yes	Stroke	10 mm
Position feedback	0 - 10 V	Cable*	1.20 m
Characteristic line	Adjustable (linear and equal percentage)		

Voltage	Item No.
24 V AC / DC	1158011

Aktor M modulating with 0(2) - 10 V or 0(4) - 20 mA or on/off / floating control

For Cocon QTR / QFC DN 40 to DN 100, including adapter.



Automatic valve blocking protection function	Yes	Characteristic line	Adjustable
Position feedback	0 - 10 V	Stroke	20 mm

Voltage	Included accessory	Item No.
24 V AC / DC	Adapter	1158023

Cable = Cable length



Aktor M modulating with 0(2) - 10 V or 0(4) - 20 mA or on/off / floating control

For Cocon QTR / QTZ DN 40 to DN 100, including adapter.

Automatic valve blocking protection function	Yes	Characteristic line	Linear
Position feedback	0 - 10 V	Stroke	20 mm

Voltage	Included accessory	Version	Item No.
24 V AC	Spring return Adapter	Motorised, normally opening	1158021
24 V AC	Spring return Adapter	Motorised, normally closing	1158022



Aktor M modulating with 0 - 10 V, 4 - 20 mA or on/off / floating control

For Cocon QFC DN 125 to DN 200 and two-way valves DN 65 to DN 150, including adapter.

Position feedback	0 - 10 V	Stroke	40 mm
Characteristic line	Adjustable (linear, square-law and equal percentage)		

Voltage	Included accessory	Version	Item No.
24 V AC / DC	Adapter	Motorised	1158030
24 V AC / DC	Spring return Adapter	Motorised, normally opening	1158031
24 V AC / DC	Spring return Adapter	Motorised, normally closing	1158032



Aktor M with KNX interface

Power consumption extremely low, no external power supply necessary. With integrated binary input (e.g. for window contact, dew point sensor, motion detector).

Valve connection	Connection thread M 30 x 1.5	Stroke	4 mm

Voltage	Item No.
21 - 32 V DC (from KNX bus)	1012746



Aktor M with Modbus RTU interface

Various parameters can be configured and/or read out via Modbus RTU (e.g. volume flow, valve characteristic line, sensor type, operating hours, operating and fault messages). Two universal inputs/outputs enable the connection of temperature sensors, window contacts and humidity sensors, as well as the control of 0 - 10 V rotary actuators.

Valve connection	Connection thread M 30 x 1.5	Position feedback	0 - 100 %
		Cable*	1.50 m
Automatic valve blocking protection function	Yes	Zero point detection	Yes

Voltage	Suitable for	Stroke *(mm)*	Item No.
24 V AC / DC	Cocon QTZ	9	1012745
24 V AC / DC	Cocon QTR/QFC DN 40/50	14	1158014

Cable = Cable length

Aktor M - Accessories and spare parts



Connection module 230 V

For Aktor M 24 V (item no. 1158030 / 31 / 32).

Description	Item No.
For connection to the supply voltage (230 V), pluggable module	1158033



Aktor M Adapter

For use of Aktor M on Cocon QTR / QFC / QGC. These adapters are included with the listed actuators on delivery and serve as spare parts in case of loss or damage.

Description	Item No.
For item no. 1158010	9010522
For item no. 1158012, 1158013, 1158014	9010523
For item no. 1158020, 1158023	9010524
For item no. 1158021, 1158022	9010525
For item no. 1158030, 1158031, 1158032	9010526

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2.3 Connection and control of heating and cooling devices

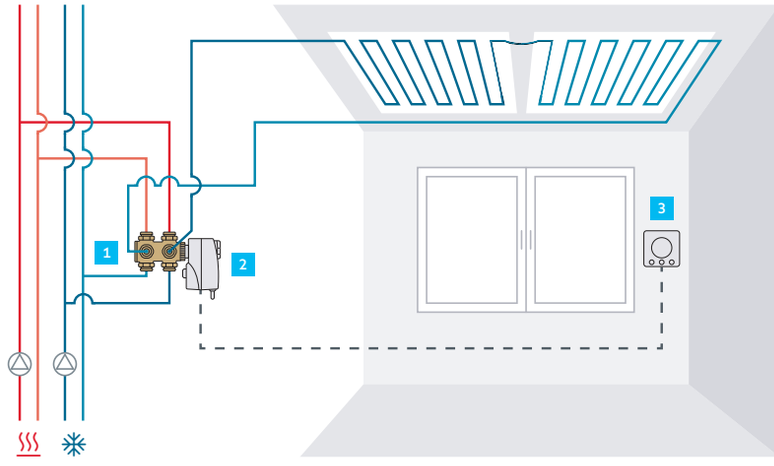
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Simple heating and cooling control
Optibal W6 six-way ball valve

For ***precise control of heating and cooling in a four-pipe system,*** you use our **Optibal W6** six-way ball valve. Until now, conventional installations of such a system with heating/cooling ceilings or fan coils required many individual control components for switching between heating and cooling and for room temperature control. The ball valve consists of ***two three-way ball valves*** that are connected to each other via a common rotary axis. The **Optibal W6** takes over the tasks of up to four straight valves. Thanks to its ***compact and well thought-out design,*** you can considerably reduce not only the space required but also the material and installation costs.

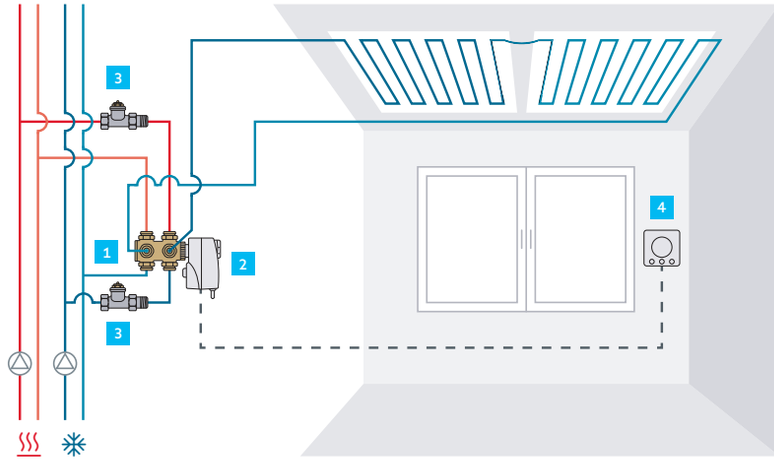
Learn more at
optibalw6.oventrop.com



INDIVIDUAL ROOM CONTROL WITH STATIC FLOW LIMITATION

Modulating control of the **Optibal W6** six-way ball valve is carried out via a 0 - 10 V signal. Flow limitation is carried out via the Kvs orifices of the six-way-ball valve.

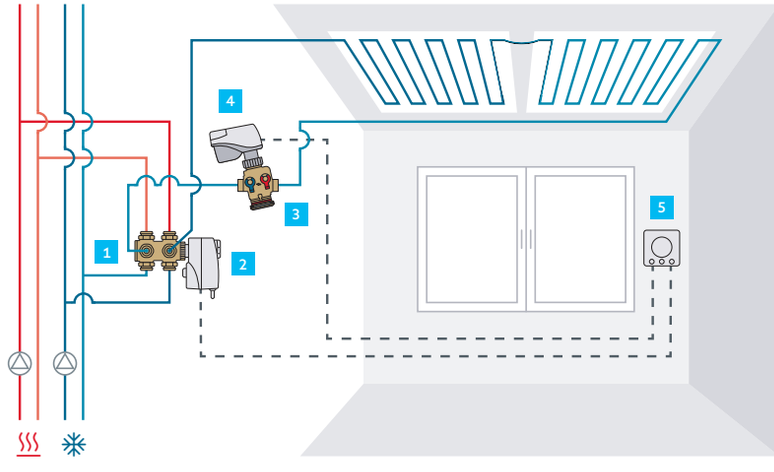
1. **Optibal W6** six-way ball valve
2. **Aktor R ST L** rotary actuator
3. **ClimaCon F 316** room thermostat for six-way ball valves



INDIVIDUAL ROOM CONTROL WITH AUTOMATIC FLOW LIMITATION

Modulating control of the **Optibal W6** six-way ball valve is carried out via a 0 - 10 V signal. Flow limitation is carried out via the **AQ / AQH** valves.

1. **Optibal W6** six-way ball valve
2. **Aktor R ST L** rotary actuator
3. **AQ / AQH** pressure independent valves (one each for heating and cooling)
4. **ClimaCon F 316** room thermostat for six-way ball valves



INDIVIDUAL ROOM CONTROL WITH AUTOMATIC FLOW LIMITATION

The **Optibal W6** six-way ball valve switches between heating and cooling mode via an on/off control. Flow control is carried out by the **Cocon QTZ** control valve with modulating control via a 0 – 10 V signal.

1. **Optibal W6** six-way ball valve
2. **Aktor R ST L** rotary actuator
3. **Cocon QTZ** pressure independent control valve
4. **Aktor M ST L** motorised actuator
5. **ClimaCon F 316** room thermostat for six-way ball valves

Optibal W6 Six-way ball valves



Optibal W6 with external thread with internal cone PN 16

Six-way ball valve for switching between cooling and heating in a four-pipe system by means of the Aktor R ST L motorised rotary actuator. The six-way ball valve can be used to control the flow rates via the angle of rotation. In conjunction with kvs orifices, cooling and heating circuits can be limited independently of each other.
Body made of dezincification resistant brass. Pipe connection DN 15 external thread with Eurocone according to EN 16313, DN 20 external thread with internal cone.
Kvs orifices 0.25 / 0.4 / 0.63 / 1 / 1.6 and 2.5 available as accessories.

Medium	Water Water-glycol mixture
Pressure rating	PN 16
Operating temperature	0 up to 90 °C
Body material	DZR brass

Nominal size	Connection size	Connections	Kvs	Item No.
DN 15	G ¾	External thread with Eurocone	3.20	1132004
DN 20	G 1	External thread with internal cone	3.20	1132006



Aktor R ST L

Rotary actuator for Optibal W6 six-way ball valve. 24 V, proportional control 0 - 10 V or on/off control via 24 V forced control. With position feedback signal 0 - 10 V. Torque: 5 Nm. Angle of rotation: 90°. With manual override.

Description	Item No.
For DN 15 and DN 20	1132030



ClimaCon F 316 for four pipe applications heating and cooling with six-way ball valve

Voltage	24 V AC On/off 0 - 10 V
Installation	Surface mounting
Setback*	Via time programme (adjustable in the app)
Operation	At the room thermostat With smartphone app
Switching h / c*	Depending on the room temperature
Other outputs	1 x potential-free
Communication	Bluetooth
PU	1680

Suitable for	Sensors*	Item No.
Rotary actuators for six-way ball valves 0 - 10 V Actuators “normally closed”	Ext. temperature sensor, NTC 10 K Dew point monitor Safety temperature limiter	1155536 °

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling

° Production will be discontinued

Optibal W6 - Accessories



Connection set with externally threaded tailpipes

Consisting of two tailpipes with O-rings and union nuts.

Nominal size	Connection size	Item No.
DN 15	R ½	1140282
DN 20	R ¾	1140284



Kvs orifice set

Orifices made of high quality plastic for flow limitation. The orifices feature a control contour which allows for a linear up to equal percentage linear flow control via the rotary actuator.
Kvs values: 0.25 / 0.4 / 0.63 / 1.0 / 1.6 and 2.5

Operating temperature	0 up to 90 °C	Body material	Plastic

Nominal size	Item No.
DN 15 and DN 20	1132020



2.3 Connection and control of heating and cooling devices

Flypass Connection sets **293**

Flypass 4TZ Connection fitting..... 295
Flypass - Accessories..... 297

Multifunctional connection fitting
Flypass

With our **Flypass 4TZ** connection fitting, you can ***connect heating and cooling devices in a versatile and variable way***.

Whether fan coils, cooling ceiling modules or induction units, the connection fitting can be used multifunctionally. You can ***install*** the multi-talent ***in any flow direction***. The installation position is freely selectable: horizontal, inclined or vertical, in rising or falling sections.

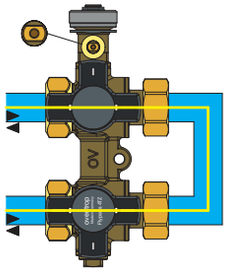


APPLICATION EXAMPLE

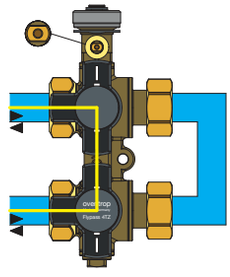
Flypass set consisting of **Flypass 4TZ** connection fitting, **Cocon QTZ** pressure independent control valve with **Aktor M** actuator and strainer

Function animation and more at flypass.oventrop.com

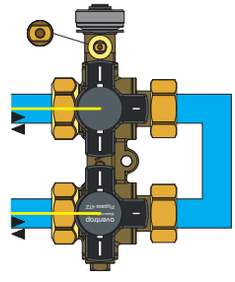
FUNCTIONS



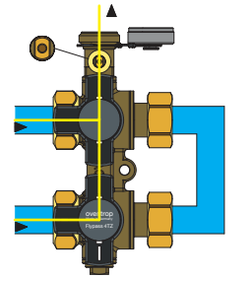
Normal mode



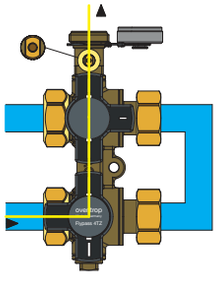
Bypass mode



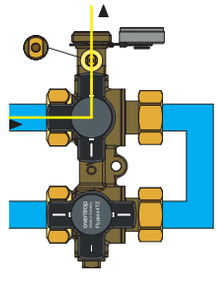
Shutting off



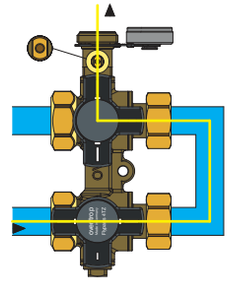
Filling and venting of the system side



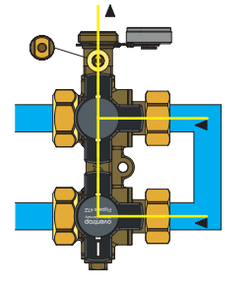
Draining of the system and appliance side, venting and flushing of the system side



Draining, venting and flushing of the system side

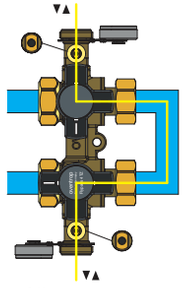


Filling and flushing of the appliance side

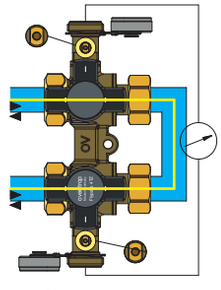


Shutting off and draining of the appliance side

FUNCTIONS WITH ACCESSORIES



Re-filling, venting and flushing of the appliance side with second fill and drain ball valve



Differential pressure measurement, e.g. with **OV-DMC 3**

Flypass 4TZ Connection fitting



Flypass 4TZ with internal thread and union nut with sealing ring, flat sealing PN 16

Connection fitting for shutting off, flushing, draining and venting the upstream supply and return pipes or the downstream system components, for example fan coil units or cooling ceiling modules. Convertible to bypass mode. The flow paths can be read off by the shape of the handle.
For combination with other control and function fittings. Basically, all flat-sealing Oventrop valves of the corresponding nominal sizes with G ¾ external thread (DN 15) or G 1 external thread (DN 20) can be combined with the Flypass 4TZ. The adapter item no. 1149075 (DN 15) or 1149076 (DN 20) is required for mounting valves with internal thread.

Medium	Water Water-glycol mixture
Connections	External thread / Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 120 °C
Shutoff	Yes

Draining	Yes
Body material	DZR brass
Insulation shell	Available as accessory
Consisting of	Flat seals

Nominal size	Kvs	Item No.
DN 15	22.00	1149504
DN 20	34.00	1149506



Flypass set with Cocon QTZ pressure independent control valve

Flypass set consisting of a Flypass 4TZ connection fitting with strainer and a Cocon QTZ pressure independent control valve. The set is delivered completely pre-assembled, function and pressure tested.

Pressure rating PN 16

Nominal size	Connections	Control range (l/h)	Insulation shell	Consisting of	Item No.
DN 15	-	30 up to 210	Available as accessory	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve Set of inserts (2 pieces)	1149450
DN 15	-	90 up to 450	Available as accessory	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve Set of inserts (2 pieces)	1149550
DN 15	-	150 up to 1,050	Available as accessory	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve Set of inserts (2 pieces)	1149650
DN 20	-	150 up to 1,050	Available as accessory	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve Set of inserts (2 pieces)	1149551
DN 20	Internal thread / External thread	250 up to 1,800	No	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve Set of inserts (2 pieces)	1149556
DN 25	Internal thread / External thread	400 up to 2,500	Available as accessory	Flypass 4TZ Connection fitting Strainer Cocon QTZ Pressure independant control valve	1149557
DN 32	Internal thread / External thread	600 up to 4,800	No	Strainer Cocon QTZ Pressure independant control valve Ball valves	1149558

Flypass - Accessories



Insert

Inserts allow for the use of flat sealing tailpipes or connection sets with conically sealing valves. For cone according to DIN EN 16313 (Eurocone), set = 2 pieces

Nominal size	Item No.
DN 15	1661100
DN 20	1650793



Double threaded fitting

Both sides flat sealing external thread. For connecting flat sealing pipes or valves with union nut directly to the Flypass 4TZ.

Nominal size	Item No.
DN 15	1149070
DN 20	1149071



Insulation shell

For Flypass 4TZ and Flypass sets item no. 1149450, 1149550, 1149551 and 1149650.

Consisting of two shells, for heating and cooling systems. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG). Building material class B2 according to DIN 4102. Cold insulation: Min. medium temperature 6 °C, thermal insulation shells have to be bonded hermetically. Restricted diffusion tightness at low medium temperature and at high ambient temperature and/or air humidity.

Operating temperature	-10 up to 120 °C

Nominal size	Item No.
DN 15 and DN 20	1149581



Insulation shell

1149580 suitable for Flypass 4TZ and Flypass sets item no. 1149450, 1149550, 1149551 und 1149650.
1149582 suitable for Flypass set item no. 1149557.

For heating systems. Not diffusion-tight.

Nominal size	Max. operating temperature (°C)	Item No.
DN 15 and DN 20	110	1149580
DN 25	110	1149582



Fill and drain valve

Description	Item No.
Fill and drain ball valve with G ¼ external thread	1060191

Spindle extension



Description	Item No.
Spindle extension 25 mm	1149190

Sealing wire



Description	Item No.
10-fold, consisting of seal and sealing wire	1089091



Aktor T 2P on/off control (PWM)

Valve connection	Connection thread M 30 x 1.5	Cable*	1.00 m
Installation position	Position-independent	Stroke	5 mm
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Item No.
24 V AC / DC	normally closed	1012416
24 V AC / DC	"Normally open"	1012426



Aktor T ST 0 - 10 V control

Valve connection	Connection thread M 30 x 1.5	Stroke	5 mm
Installation position	Position-independent		
Mounting	Plug-in connection with valve adapter		

Voltage	Version	Cable* *(m)*	Item No.
24 V AC	normally closed	1.00	1012953

 Cable = Cable length



Aktor M modulating with 0 - 10 V

Valve connection	Connection thread M 30 x 1.5
Modulating proportional actuator	Yes
Automatic valve blocking protection function	Yes
Direction of action adjustable	Yes

Electrical emergency control function	No
Stroke	4 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Additional on/off / floating control	Position feedback	Item No.
24 V AC / DC	Yes	No	1012725
24 V AC / DC	No	Yes	1012726



Aktor M with Modbus RTU interface

Valve connection	Connection thread M 30 x 1.5
Automatic valve blocking protection function	Yes
Position feedback	0 - 100 %

Stroke	9 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Item No.
24 V AC / DC	1012745

Cable = Cable length

2.3 Connection and control of heating and cooling devices

Two- and three-way valves 300

Tri CTB Three-way diverting and mixing valves..... 301
Temperature controllers..... 302
Two-/three-way valves with flanges..... 303

Tri CTB Three-way diverting and mixing valves



Tri CTB with external thread PN 16

Can be used as a diverting or mixing valve. When used as diverting valve, the Tri CTB has one inlet (AB) and two outlets (A and B). Depending on the spindle position, the flow is divided between the two outlets.
When used as mixing valve, the Tri CTB has two inlets (A and B) and one outlet (AB). Depending on the spindle position, the flow is mixed.
For use with actuators or temperature controllers.
Union nuts and sealing rings are included in the scope of delivery.

Please note that the connections on the Tri CTB are arranged differently to those on the predecessor valve, the Tri CTR.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 16

Operating temperature	-10 up to 120 °C
Body material	Brass
Connection actuator	M 30 x 1.5

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	2.40	1131304
DN 20	G 1	4.30	1131306
DN 25	G 1 ¼	5.30	1131308
DN 32	G 1 ½	7.80	1131310
DN 40	G 2	8.40	1131312
DN 50	G 2 ⅜	10.60	1131316



Threaded tailpipe set for Tri CTB and Tri CTR (3-fold)

Nominal size	Connection size	Item No.
DN 15	R ½	1130291
DN 20	R ½	1130292
DN 20	R ¾	1130293
DN 25	R 1	1130294
DN 32	R 1 ¼	1130299
DN 40	R 1 ¼	1130295
DN 40	R 1 ½	1130296
DN 50	R 2	1130298

Temperature controllers



Temperature controller with immersion sensor and immersion sleeve G ½

Connection thread M 30 x 1.5. Application: Water, maximum sensor temperature 30 K above the setpoint. For industrial systems, water heaters, air heaters, heating cabinets, dishwashers, surface heating, etc. The setting range can be limited and blocked.
For flow temperature limitation in surface heating systems, a Combi LR throttle valve is additionally required (see section “Room climate”).

Selection Combi LR:

- up to 85 m^2: DN 15 three-way valve and DN 20 Combi LR
- up to 115 m^2: DN 20 three-way valve and DN 25 Combi LR

Setting range *(°C)*	Capillary tube length* *(mm)*	Item No.
20 up to 50	2,000	1140561
20 up to 50	5,000	1140571
40 up to 70	2,000	1140562
40 up to 70	5,000	1140572
50 up to 80	2,000	1140563
70 up to 100	2,000	1140564
70 up to 100	5,000	1140574



Temperature controller with contact sensor and heat-conducting base

Setting range *(°C)*	Capillary tube length* *(mm)*	Item No.
20 up to 50	2,000	1142861
30 up to 60	2,000	1142862
40 up to 70	2,000	1142863
50 up to 80	2,000	1142864



Immersion sleeve

Description	Item No.
Immersion sleeve, loose, connection G ½, brass	1141091

 Capillary tube length = Capillary tube length from thermostat to remote control

Two-/three-way valves with flanges



Two/three-way valve with flanges according to EN 1092-2 PN 16

Two-way valve for use in central heating and cooling systems with closed circuits.
DN 15 to DN 50: metal to metal seal between cone and seat, DN 65 to DN 150: soft sealing with EPDM seal beween cone and seat. The centre spigot is closed with a blind flange. The valve can be used as a three-way valve (mixing and diverting) when the blind flange is removed.

Medium	Water Water-glycol mixture
Connections	Flange EN 1092-2
Pressure rating	PN 16
Operating temperature	0 up to 130 °C
Body material	Cast iron
Connection actuator	Squeeze connection

Nominal size	Kvs	Item No.
DN 15	1.60	1130865
DN 15	2.50	1130845
DN 20	4.00	1130866 °
DN 20	6.30	1130846
DN 25	10.00	1130847
DN 32	16.00	1130848
DN 40	25.00	1130849
DN 50	35.00	1130850
DN 65	63.00	1130851
DN 80	100.00	1130852
DN 100	160.00	1130853
DN 125	220.00	1130854
DN 150	320.00	1130855

° Production will be discontinued

2.3 Connection and control of heating and cooling devices

Hycocon Control valves 304

Hycocon Two-way valves..... 305
Hycocon Two-way valves - Accessories..... 306

Hycocon Two-way valves

Hycocon ETZ with internal thread PN 16



Nominal sizes DN 15 and DN 20 suitable for compression fittings item no. 10271..

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 120 °C
Presetting	Yes
Shutoff	Yes

Measuring connection	Yes
Draining	Extendable
Impulse tube connection	No
Body material	DZR brass
Connection actuator	M 30 x 1.5
Insulation shell	No

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.00	1068364
DN 20	Rp ¾	1.20	1068366
DN 25	Rp 1	1.20	1068368

Hycocon HTZ with internal thread PN 16, with high flow rate



Nominal sizes DN 15 and DN 20 suitable for compression fittings item no. 10271..

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 120 °C
Presetting	Yes
Shutoff	Yes

Measuring connection	Yes
Draining	Extendable
Impulse tube connection	No
Body material	DZR brass
Connection actuator	M 30 x 1.5
Insulation shell	No

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.70	1068564
DN 20	Rp ¾	2.70	1068566
DN 25	Rp 1	3.60	1068568
DN 32	Rp 1 ¼	6.80	1068570
DN 40	Rp 1 ½	10.00	1068572

Hycocon Two-way valves - Accessories



Ofix Compression fittings

Ofix CEP, 1-fold, for copper pipes according to DIN EN 1057, pressure screw nickel-plated, metal to metal sealing.

Nominal size	Connection size	Item No.
DN 15	G ½ x 12 mm	1027153
DN 15	G ½ x 15 mm	1027155
DN 20	G ¾ x 18 mm	1027157
DN 20	G ¾ x 22 mm	1027158



Conversion valve insert for Hycocon DN 15 to DN 25

Hycocon VTZ, ATZ, ETZ and HTZ DN 15 to DN 25 can be retrofitted with the valve inserts listed below. This can be done with the Oventrop Demo-Bloc special tool under system pressure.
Depending on the valve insert used, further accessories are necessary, for example an actuator or thermostat.

Description	Item No.
For Unibox and RTLH valves, M 30 x 1.5	1026981
For KTB valves, opens when the sensor temperature rises	1147169
For PTB valves and Cocon 2TZ, DN 15, kvs = 0.45	1186052
For PTB valves and Cocon 2TZ, DN 15, kvs = 1.00	1186053
For Cocon 2TZ, DN 15, kvs = 1.80	1186054
For A thermostatic valves (especially for steam systems), M 30 x 1.5	1186200
For Combi LR with cap for Hycocon valves	1187071
For AF thermostatic valves, M 30 x 1.5, kv = 0.32	1187352



Replacement valve insert for Hycocon

Description	Item No.
For Hycocon HTZ, DTZ, VTZ and VPZ, DN 32	1067066
For Hycocon HTZ, DTZ, VTZ and VPZ, DN 40	1067067
For Hycocon HTZ and DTZ, DN 15 to DN 25	1067085



Hycocon HTZ Presetting set

Description	Item No.
Presetting set for Hycocon HTZ	1068585

2.4 Differential pressure measurement and verification of water quantities

OV Measuring system 309

OV-DMC 3 Measuring system 310
OV-Connect Differential pressure sensor 311
OV Measuring system - Accessories and spare parts 312
Classic measuring technique - Accessories 314
Eco measuring technique - Accessories 316
Plug-in coupling technology - Accessories 317

Metering stations 318

Metering stations 319

2.4 Differential pressure measurement and verification of water quantities

OV Measuring system 309

OV-DMC 3 Measuring system..... 310
OV-Connect Differential pressure sensor..... 311
OV Measuring system - Accessories and spare parts. 312
Classic measuring technique - Accessories..... 314
Eco measuring technique - Accessories..... 316
Plug-in coupling technology - Accessories..... 317

OV-DMC 3 Measuring system



System for flow measurement at valves and for regulation of heating and cooling systems. For use with all Oventrop products equipped with Classic or Eco measuring valves or HydroPort auxiliary valves: HydroControl, HydroCom, Cocon, Hycocon and metering stations.
With interfaces for communication with commercially available smartphones and tablets using the Oventrop app for convenient measuring and logging. The data determined with the OVplan and OVselect calculation programmes can be accessed.

After entering the valve data and the desired flow rate, a calculation of the presetting for Oventrop double regulating valves is possible. The permanent recording of differential pressure and flow rate is also possible. The optional connection of two temperature sensors, for example for supply and return, enables direct performance calculation.
The OV-DMC 3 is supplied in a sturdy case with all necessary adapters for connection to Oventrop valves. Smartphone or tablet are not included in the scope of delivery.

Pressure rating	PN 20	Operating temperature	-20 up to 120 °C



OV-DMC 3 Measuring device

Measuring device, complete, consisting of:

- Sensor unit with fastening chain and measuring hoses, marked red and blue
- Two PT 1000 temperature sensors with matching plugs for connection to the sensor unit
- Adapters for connecting the measuring hoses to all Oventrop balancing and control valves with measuring valves
- Needle adapters for connecting the measuring hoses to insertion measuring valves
- Adapters for connection of the measuring hoses to connecting pieces with G ¾ external thread (hose thread)
- 3 mm and 4 mm Allen key with T-handle
- Data cable
- Power supply unit with Euro plug
- Hard shell carrying case suitable for the construction site with matching foam inlay
- Replacement fine screens made of sintered bronze for the sensor unit (2-fold)

Item No.
1069278

The perfect couple:
OV-DMC 3 and OVapp.

From differential pressure measurement to water volume testing – our **OVapp** makes ***measuring and reporting*** with the **OV-DMC 3** particularly convenient. **Download now free of charge!**



Download on the App Store

GET IT ON Google Play

OV-Connect Differential pressure sensor



Differential pressure transducer for permanent differential pressure monitoring at Oventrop products with Classic measuring technique in heating and cooling systems operated with water or water-glycol mixtures. The differential pressure is taken via the measuring needles and the copper pipes at the measuring valves of the product to be measured. In operation, the differential pressure transducer provides an output signal (0 to 10 V) proportional to the measured differential pressure. This signal can be used by a higher-level electronic control and monitoring unit of a building management system (BMS) or by individual devices (e.g. pressure indicators). For central heating and cooling systems as well as potable water installations (circulation pipes) up to PN 25. Installation in the supply or the return pipe.

Operating temperature	-15 up to 80 °C	Max. operating pressure	25 bar



OV-Connect Differential pressure transducer

Differential pressure transducer, consisting of:

- Sensor unit / pressure transducer
- Two rolls of copper pipe
- Two measuring needles for connection to Oventrop valves with Classic measuring technique

Item No.
1069180 °

° Production will be discontinued

OV Measuring system - Accessories and spare parts



Measuring hose

Suitable for OV-DMC 3, OV-DMC 2 and OV-DMPC.

Description	Item No.
2 measuring hoses, length 0.5 m, red and blue	1069178
2 measuring hoses, length 2 m, red and blue	1069179



Measuring valve

Suitable for OV-DMC 3, OV-DMC 2 and OV-DMPC.

Description	Item No.
2 measuring valves G ⅜ with plug-in coupling technology, with screen	1069186

Screen insert



Description	Item No.
Fine screen made of sintered bronze for sensor OV-DMC 3 and OV-DMC 2	9010290



Accessories - HydroPort measuring technique

Description	Item No.
Measuring adapter with HydroPort plug-in coupling and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks	1060297



Classic measuring technique - Accessories

Description	Item No.
2 measuring needles with plug-in connection	1069199



Classic measuring technique - Accessories

Description	Item No.
2 measuring adapters for differential pressure measurement at Hydromat DTR / DFC	1060299



Eco measuring technique - Accessories

Description	Item No.
2 measuring needles for Hycocon double regulating valves, for the connection of the OV-DMC 3, OV-DMC 2 and OV-DMPC measuring devices	1061799



Eco measuring technique - Accessories

Description	Item No.
Drain and fill tool for Hycocon double regulating valves	1061791

Thermometer



Description	Item No.
Contact thermometer for OV-DMC 2 and OV-DMPC	1069197
Temperature sensor PT 1000 with connection for OV-DMC 3	1069283

Classic measuring technique - Accessories



Measuring valve

Connection size G ¼

Description	Item No.
DZR brass, red/blue, set = 2 pieces	1060281



Measuring valve with extension

Description	Item No.
2 measuring valves G ¼ with extension L = 100 mm, system draining not required for mounting	1060282



Measuring adapter with Classic measuring technique and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks

Description	Item No.
Measuring adapter with Classic measuring technique and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks	1060298



Measuring valve

Description	Item No.
Measuring valve with Classic measuring technique and fill and drain ball valve. With external thread G ¼.	1060381



Measuring needle

Description	Item No.
2 measuring needles with plug-in connection	1069199



Measuring valve G ¼ with extension

Suitable for all flanged valves with Classic measuring valves, made of bronze.

Connection size G ¼

Description	Item No.
Measuring valve extension L = 40 mm, 2 in a bag, system draining is required for mounting	1688295
Measuring valve extension L = 80 mm, 2 in a bag, system draining is required for mounting	1060295



Measuring valve G ¼ with extension

Description	Item No.
Measuring valve extension L = 80 mm, with T-piece connection. For differential pressure measurement and simultaneous connection of the impulse tube of the differential pressure control valve	1688290



2 measuring valves G ¼ with extension

Description	Item No.
2 measuring valve extensions L = 80 mm, for metering stations item no. 1060771-78	1688291

Eco measuring technique - Accessories



Draining

Description	Item No.
Drain and fill tool for Hycocon double regulating valves	1061791



Measuring needle

Description	Item No.
2 measuring needles for Hycocon double regulating valves, for the connection of the OV-DMC 3, OV-DMC 2 and OV-DMPC measuring devices	1061799

Plug-in coupling technology - Accessories



Measuring adapter with Classic measuring technique and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks

Description	Item No.
Measuring adapter with HydroPort plug-in coupling and G ¾ internal thread, for the connection to drain and fill tools and fill and drain cocks	1060297

Measuring valve

Suitable for HydroControl VTR, MTR and ATR. Not suitable for the new HydroControl V, M, D and A.



Description	Item No.
Measuring valve with HydroPort plug-in coupling and fill and drain ball valve. With external thread G ¼.	1060391



2.4 Differential pressure measurement and verification of water quantities

Metering stations **318**

Metering stations 319

Metering stations



Metering stations PN 16 / PN 25 in threaded or intermediate flange versions. Supplied with Classic measuring valves. For flow determination in central heating and cooling systems. The flow rate is determined by measuring the differential pressure across the metering station. Modification of the flow values can be read directly independently of the preset values of the upstream or downstream valve by means of the OV-DMC 3 measuring system. The metering stations for installation between flanges can be combined with all valves with flanges according to EN 1092.

Medium	Water Water-glycol mixture
Measuring connection	Yes



Metering station with internal thread / external thread PN 25

Connections	Internal thread / External thread	Operating temperature	-20 up to 150 °C
Pressure rating	PN 25	Body material	DZR brass

Nominal size	Connection size	Kvs	Item No.
DN 15	R ½ x Rp ½	0.55	1060644
DN 15	R ½ x Rp ½	1.20	1060634
DN 15	R ½ x Rp ½	2.20	1060604
DN 20	R ¾ x Rp ¾	4.25	1060606
DN 25	R 1 x Rp 1	8.60	1060608
DN 32	R 1 ¼ x Rp 1 ¼	15.90	1060610
DN 40	R 1 ½ x Rp 1 ½	23.70	1060612
DN 50	R 2 x Rp 2	48.00	1060616



Metering station for flanges according to EN 1092 PN 16

Connections	Intermediate flange	Operating temperature	-10 up to 150 °C
Pressure rating	PN 16	Body material	Stainless steel

Nominal size	Kvs	Item No.
DN 65	102.00	1060751
DN 80	120.00	1060752
DN 100	234.00	1060753
DN 125	335.00	1060754
DN 150	522.00	1060755
DN 200	780.00	1060756
DN 250	1,197.00	1060757
DN 300	1,810.00	1060758
DN 350	2,050.00	1060759
DN 400	2,650.00	1060760
DN 450	3,400.00	1060761
DN 500	4,200.00	1060762 °
DN 600	6,250.00	1060763 °
DN 700	10,690.00	1060764 °
DN 800	14,000.00	1060765 °



Metering station for flanges according to EN 1092 PN 16

Connections	Intermediate flange	Operating temperature	-10 up to 120 °C
Pressure rating	PN 16	Body material	Cast iron

Nominal size	Kvs	Item No.
DN 65	93.00	1060771
DN 80	126.00	1060772
DN 100	244.00	1060773
DN 125	415.00	1060774
DN 150	540.00	1060775
DN 200	1,010.00	1060776
DN 250	1,450.00	1060777 °
DN 300	2,400.00	1060778 °

° Production will be discontinued

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2.5 Shutoff valves and other pipeline valves

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Optibal Ball valves with plastic handle



Ball surface hard chrome-plated. Anthracite extended plastic handle for easy insulation.

With red replaceable cover plug for pipeline identification.

Medium	Water Water-glycol mixture Other media according to Product Data sheet
Pressure rating	PN 16
Operating temperature	-10 up to 100 °C

Shutoff	Yes
Body material	Brass
Type of construction	Full flow



Optibal with internal thread PN 16

Connections	Internal thread	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	8.80	1077103
DN 15	G ½	22.00	1077104
DN 20	G ¾	43.00	1077106
DN 25	G 1	67.00	1077108
DN 32	G 1 ¼	99.00	1077110
DN 40	G 1 ½	143.00	1077112
DN 50	G 2	254.00	1077116



Optibal with internal thread PN 16, with thermometer

Connections	Internal thread	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	22.00	1078004
DN 20	G ¾	43.00	1078006
DN 25	G 1	67.00	1078008
DN 32	G 1 ¼	99.00	1078010
DN 40	G 1 ½	143.00	1078012
DN 50	G 2	254.00	1078016



Optibal with external thread and internal thread PN 16

Connections	External thread / Internal thread	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	8.80	1077303
DN 15	G ½	22.00	1077304
DN 20	G ¾	43.00	1077306
DN 25	G 1	67.00	1077308
DN 32	G 1 ¼	99.00	1077310
DN 40	G 1 ½	143.00	1077312
DN 50	G 2	254.00	1077316



Optibal with internal thread PN 16, with drain valve

Connections	Internal thread	Insulation shell	Available as accessory
Draining	Yes		

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	22.00	1077804
DN 20	G ¾	43.00	1077806
DN 25	G 1	67.00	1077808
DN 32	G 1 ¼	99.00	1077810



Optibal with internal thread PN 16, with drain ball valve

Connections	Internal thread	Draining	Yes

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	22.00	1697804
DN 20	G ¾	43.00	1697806
DN 25	G 1	67.00	1697808
DN 32	G 1 ¼	99.00	1697810



Optibal with press connection PN 16

For direct connection of copper pipe according to DIN EN 1057 / DVGW GW 392, stainless steel pipe according to DIN EN 10088 / DVGW GW 451 and thin-walled C-steel pipe (material no. E195/1.0034) according to DIN EN 10305-3.
Pressing must be carried out to tighten the connection. Only use press jaws with original contours SANHA (SA), Geberit-Mapress (MM) or Viega (Profipress) in the appropriate size for pressing. Processing must be carried out according to the installation instructions.

Connections	Press connection	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	15 mm	22.00	1077162
DN 15	18 mm	22.00	1077163
DN 20	22 mm	43.00	1077164
DN 25	28 mm	67.00	1077165
DN 32	35 mm	99.00	1077166



Optibal with internal thread and press connection PN 16

For direct connection of copper pipe according to DIN EN 1057 / DVGW GW 392, stainless steel pipe according to DIN EN 10088 / DVGW GW 451 and thin-walled C-steel pipe (material no. E195/1.0034) according to DIN EN 10305-3.
Pressing must be carried out to tighten the connection. Only use press jaws with original contours SANHA (SA), Geberit-Mapress (MM) or Viega (Profipress) in the appropriate size for pressing. Processing must be carried out according to the installation instructions.

Connections	Internal thread / Press connection	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½ x 15 mm	22.00	1077152
DN 15	G ½ x 18 mm	22.00	1077153
DN 20	G ¾ x 22 mm	43.00	1077154
DN 25	G 1 x 28 mm	67.00	1077155
DN 32	G 1 ¼ x 35 mm	99.00	1077156



Optibal with coupling and internal thread PN 16

Connections	Coupling / Internal thread	Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 15	R ½ x G ½	22.00	1075704
DN 20	R ¾ x G ¾	43.00	1075706
DN 25	R 1 x G 1	67.00	1075708
DN 32	R 1 ¼ x G 1 ¼	99.00	1075710

Optibal Ball valves with lever



Ball surface hard chrome-plated. Lever made of galvanised steel with plastic coating.

Medium	Water Water-glycol mixture Other media according to Product Data sheet
Pressure rating	PN 16
Operating temperature	-10 up to 100 °C

Shutoff	Yes
Body material	Brass
Type of construction	Full flow

Optibal with internal thread PN 16

Connections Internal thread



Nominal size	Connection size	Kvs	Item No.
DN 8	G ¼	5.60	1076002
DN 10	G ⅜	8.80	1076003
DN 15	G ½	22.00	1076004
DN 20	G ¾	43.00	1076006
DN 25	G 1	67.00	1076008
DN 32	G 1 ¼	99.00	1076010
DN 40	G 1 ½	143.00	1076012
DN 50	G 2	254.00	1076016
DN 65	G 2 ½	470.00	1076020
DN 80	G 3	720.00	1076024
DN 100	G 4	1,120.00	1076032

Optibal with external thread and internal thread PN 16

Connections External thread / Internal thread



Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	8.80	1076203
DN 15	G ½	22.00	1076204
DN 20	G ¾	43.00	1076206
DN 25	G 1	67.00	1076208
DN 32	G 1 ¼	99.00	1076210

Optibal Ball valves with T-handle



Ball surface hard chrome-plated. T-handle made of metal.

Medium	Water Water-glycol mixture Other media according to Product Data sheet
Pressure rating	PN 16
Operating temperature	-10 up to 100 °C

Shutoff	Yes
Body material	Brass
Type of construction	Full flow



Optibal with internal thread PN 16

Connections: Internal thread

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	8.80	1076103
DN 15	G ½	22.00	1076104
DN 20	G ¾	43.00	1076106
DN 25	G 1	67.00	1076108
DN 32	G 1 ¼	99.00	1076110



Optibal with external thread and internal thread PN 16

Connections: External thread / Internal thread

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	8.80	1076303
DN 15	G ½	22.00	1076304
DN 20	G ¾	43.00	1076306
DN 25	G 1	67.00	1076308
DN 32	G 1 ¼	99.00	1076310



Optibal with coupling and internal thread PN 16

Connections: External thread / Internal thread

Nominal size	Connection size	Kvs	Item No.
DN 15	R ½ x G ½	22.00	1075804
DN 20	R ¾ x G ¾	43.00	1075806
DN 25	R 1 x G 1	67.00	1075808
DN 32	R 1 ¼ x G 1 ¼	99.00	1075810

Optibal P Pump ball valves



Ball surface hard chrome-plated. Anthracite extended plastic handle for easy insulation.

With red replaceable cover plug for pipeline identification.

Medium	Water Water-glycol mixture
Connections	Internal thread / Pump flange
Pressure rating	PN 10
Operating temperature	up to 120 °C
Shutoff	Yes
Body material	Brass
Insulation shell	Available as accessory



Optibal P with internal thread and pump flange PN 10, with check valve

To prevent gravity circulation in various heating systems when the pump is switched off.
For direct connection to the circulation pump. Opening pressure 20 mbar.

Nominal size	Connection size	Kvs	Item No.
DN 25	Rp 1 x G 1 ½	8.50	1078171
DN 32	Rp 1 ¼ x G 1 ½	8.50	1078173
DN 32	Rp 1 ¼ X G 2	13.00	1078172



Optibal P with internal thread and pump flange, without check valve

Nominal size	Connection size	Kvs	Item No.
DN 25	Rp 1 x G 1 ½	17.00	1078371
DN 32	Rp 1 ¼ x G 1 ½	30.00	1078373
DN 32	Rp 1 ¼ X G 2	33.00	1078372



Optibal PK Shutoff set

Supply: Pump ball valve with check valve and pump ball valve with thermometer (red) Ø 63 as well as union nuts and seals for the pump flanges.
Return: Ball valve with internal thread on both sides and thermometer (blue) Ø 63.
Suitable insulations:
DN 25: 2 x 1078194 and 1 x 1078094
DN 32: 2 x 1078195 and 1 x 1078095

Nominal size	Connection size	Kvs	Item No.
DN 25	G 1 ½	6.90	1353583
DN 32	G 2	11.40	1353584

Optibal HT High temperature ball valves



Ball surface hard chrome-plated. Anthracite extended plastic handle for easy insulation. With red replaceable cover plug for pipeline identification.
The maximum operating temperature is only permissible for a short time.

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 150 °C
Max. operating temperature	180 °C

Shutoff	Yes
Body material	Brass
Type of construction	Reduced flow
Insulation shell	Available as accessory



Optibal HT with internal thread PN 16

Nominal size	Connection size	Kvs	Item No.
DN 20	Rp ¾	9.50	1078706
DN 25	Rp 1	17.00	1078708
DN 32	Rp 1 ¼	35.00	1078710

DZR Brass ball valves



Medium	Water Water-glycol mixture
Connections	Internal thread
Operating temperature	-10 up to 120 °C

Shutoff	Yes
Body material	DZR brass
Type of construction	Full flow

DZR brass ball valve with internal thread PN 30



Lever made of galvanised steel with plastic coating.

Pressure rating	PN 30

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	22.00	1079004
DN 20	G ¾	43.00	1079006
DN 25	G 1	67.00	1079008
DN 32	G 1 ¼	99.00	1079010
DN 40	G 1 ½	143.00	1079012
DN 50	G 2	254.00	1079016

DZR brass ball valve with internal thread PN 30



T-handle made of aluminium.

Pressure rating	PN 30

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	22.00	1079404 °
DN 20	G ¾	43.00	1079406 °

° Production will be discontinued



DZR brass ball valve with internal thread PN 30

Extended plastic handle.

Insulation shell — Available as accessory

Nominal size	Connection size	Pressure rating	Kvs	Item No.
DN 15	G ½	PN 30	22.00	1079104
DN 20	G ¾	PN 25	43.00	1079106
DN 25	G 1	PN 30	67.00	1079108
DN 32	G 1 ¼	PN 25	99.00	1079110
DN 40	G 1 ½	PN 25	143.00	1079112
DN 50	G 2	PN 25	254.00	1079116

Other ball valves



Angle ball valve

Medium	Water	Shutoff	Yes
Connection size	G 1	Measuring connection	No
Connections	Coupling / External thread	Draining	No
Pressure rating	PN 16	Body material	Brass
Operating temperature	-10 up to 100 °C	Insulation shell	No

Nominal size	Item No.
DN 20	1351705



Ball valve with internal thread and hose fitting

PN 16, DN 15 to DN 25, one side internal thread, one side hose fitting and cap with fastening loop. Full flow, with double FKM O-ring seal, ball hard chrome-plated, PTFE seats

Medium	Water Water-glycol mixture	Measuring connection	No
Connections	Internal thread	Draining	Yes
Pressure rating	PN 16	Body material	Brass
Operating temperature	-20 up to 120 °C	Insulation shell	No
Shutoff	Yes		

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	5.30	1036154
DN 20	Rp ¾	10.40	1036156
DN 25	Rp 1	19.00	1036158

Optibal - Accessories



Insulation shell

For Optibal ball valves with extended plastic handle item no. 10771.., 10780.., 10787.. and 10791.. With spindle extension also suitable for other handles. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG).

Max. operating temperature	110 °C

Nominal size	Item No.
DN 10 and DN 15	1078092
DN 20	1078093
DN 25	1078094
DN 32	1078095
DN 40	1078096
DN 50	1078097



Insulation shell

For Optibal P pump ball valves. Meets the requirements of Appendix 8 to Sections 69 and 71(1), line ee) of the German Building Energy Act (GEG).

Max. operating temperature	110 °C

Nominal size	Item No.
DN 25	1078194
DN 32	1078195



Conversion set plastic handle

With red cover cap for pipeline identification. For subsequent conversion of Optibal ball valves with lever or metal T-handle to plastic handle (except for item no. 10787..). This handle allows the ball valves to be insulated.

Nominal size	Item No.
Up to DN 15	1076071
DN 20 and DN 25	1076072
DN 32 to DN 50	1076073



Spindle extension

Made of brass, with rotatable plastic sleeve. For retrofitting of Optibal brass ball valves, except for item no. 10787..
By sealing the rotatable plastic sleeve against the insulation in cooling systems, moisture cannot reach the pipework via the spindle extension. Only one extension can be used at a time.
To avoid condensation on the handle, the handle of ball valves with T-handle or lever must also be insulated, e.g. by covering the shaft and handle with elastic pipe insulation.

Description	Item No.
For Optibal with lever or T-handle, up to DN 15	1076081
For Optibal with extended plastic handle, up to DN 15	1696081
For Optibal with lever or T-handle, DN 20 and DN 25	1076082
For Optibal with extended plastic handle, DN 20 and DN 25	1696082
For Optibal, DN 32 to DN 50	1076083
For Optibal, DN 65 to DN 100	1076084

Cover cap, blue

For Optibal ball valves with extended plastic handle. For pipeline identification by replacing the existing red cover cap.



Description	Item No.
DN 10 and DN 15, set = 10 pieces	1077171
DN 20 and DN 25, set =10 pieces	1077172
DN 32 to DN 50, set = 5 pieces	1077173



Thermometer conversion set

Anthracite. For item no. 10757.., 10771.., 10773.. and 10778..

Description	Item No.
For Optibal and Optibal TW DN 10 and DN 15 (manufactured from 2024)	1077181
For Optibal and Optibal TW DN 20 and DN 25 (manufactured from 2024)	1077182
For Optibal and Optibal TW DN 32 to DN 50 (manufactured from 2024)	1077183
For Optibal P DN 25 and DN 32 and Optibal TW DN 20 and DN 25 (manufactured until 2024)	1078382

Thermometer conversion set, red and blue

For item no. 10757.., 10771.., 10773.. and 10778.. DN 25



Nominal size	Item No.
DN 25	1078182



Blocking cap made of brass

For DZR brass ball valves. The blocking cap can be fitted instead of the lever, T-handle or handle. It locks the ball valve in open and closed position and prevents unintentional actuation.

Nominal size	Item No.
DN 15	1079254
DN 20 and DN 25	1079255 °
DN 32 to DN 50	1079256 °



Cap with sealing washer and chain

Connections Internal thread

Nominal size	Connection size	Item No.
DN 15	G ¾	1066904
DN 20	G 1	1066906
DN 25	G 1 ¼	1066908
DN 32	G 1 ¾	1066910

° Production will be discontinued

2.5 Shutoff valves and other pipeline valves

Fill and drain cocks 337

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Optiflex Fill and drain ball valves



For filling and draining of heating and cooling systems, boilers, radiators and pipework.

With cap. Handle with stop. Hose fittings, if included, with soft seal.

Shutoff	Yes
Body material	Brass



Optiflex with external thread PN 16 and plastic hose fitting

Self-sealing with lock nut.

Medium	Water Water-glycol mixture
Connections	External thread

Pressure rating	PN 16
Operating temperature	0 up to 120 °C

Nominal size	Connection size	Kvs	Surface	Item No.
DN 10	G ⅜	2.00	Untreated	1033313
DN 10	G ⅜	2.00	Nickel-plated	1033351
DN 15	G ½	3.30	Untreated	1033314
DN 15	G ½	3.30	Nickel-plated	1033352



Optiflex with external thread PN 16 and plastic hose fitting, without individual packaging

Self-sealing with lock nut.

Medium	Water Water-glycol mixture
Connection size	G ½
Connections	External thread

Pressure rating	PN 16
Operating temperature	0 up to 120 °C

Nominal size	Kvs	Surface	Item No.
DN 15	3.30	Untreated	1033315
DN 15	3.30	Nickel-plated	1033354



Optiflex with external thread PN 16 and brass hose fitting

Self-sealing with lock nut.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 16
Operating temperature	0 up to 120 °C
Surface	Untreated

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	3.30	1034315
DN 20	G ¾	9.50	1033316
DN 25	G 1	14.00	1033308



Optiflex with external thread PN 16, without hose fitting

Self-sealing with lock nut.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 16
Operating temperature	0 up to 120 °C
Surface	Untreated

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	2.00	1033413
DN 15	G ½	3.30	1033414



Optiflex with internal thread PN 16, with plastic hose fitting

Medium	Water Water-glycol mixture
Connection size	Rp ½
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	0 up to 120 °C
Surface	Untreated

Nominal size	Kvs	Item No.
DN 15	3.30	1033814



Optiflex with external thread PN 16, with plastic hose fitting, for solar

For the solar sector. Can be used up to 180 °C for short periods. Suitable for connecting plastic or copper pipes.

Medium	Water Water-glycol mixture
Connection size	G ½
Connections	External thread
Pressure rating	PN 16
Operating temperature	0 up to 150 °C
Surface	Nickel-plated

Nominal size	Kvs	Type	Item No.
DN 15	3.30	Straight	1033372
DN 15	2.60	Angle	1033672



Optiflex with external thread PN 10, without hose fitting, for potable water

For the potable water sector. Max. water temperature 90 °C.

Medium	Water	Operating temperature	0 up to 90 °C
Connection size	G ½	Surface	Nickel-plated
Connections	External thread	Certification	DVGW
Pressure rating	PN 10		

Nominal size	Kvs	Item No.
DN 15	3.30	1033152

Other fill and drain cocks



Based on DIN 3848. For fluids, vapour and treated heating water, e.g. district heating. Can be used up to 180 °C for short periods.
Re-adjustment of the fill and drain cocks to maintain tightness during operation may be necessary, e.g. during operation in the low temperature range, with extreme temperature changes or when using penetrating additives in heat transfer fluids.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 16
Operating temperature	0 up to 150 °C
Body material	Bronze
Surface	Untreated

Heavy model with external thread PN 16



Nominal size	Connection size	Kvs	Item No.
DN 15	R ½	9.30	1032014
DN 20	R ¾	15.60	1032016

Fill and drain cocks - Accessories and spare parts



Cap with sealing washer and fastening loop

Item no. 1034052 also suitable for Optiflex DN 10.

Nominal size	Connection size	Item No.
DN 10	G ½	1034003
DN 15	G ¾	1034052
DN 20	G 1	1034053

Square spanner for fill and drain ball valve, heavy pattern



Description	Item No.
DN 10 and DN 15, spanner size 12 mm	1035004
DN 20 and DN 25, spanner size 14 mm	1035006



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Hygate Gate valves



Hygate A with internal thread PN 25

Medium	Water Water-glycol mixture Other media according to Product Data sheet
Connections	Internal thread

Pressure rating	PN 25
Operating temperature	-10 up to 120 °C
Shutoff	Yes
Body material	Brass

Nominal size	Connection size	Kvs	Item No.
DN 10	G ⅜	10.00	1040003
DN 15	G ½	11.00	1040004
DN 20	G ¾	34.00	1040006
DN 25	G 1	46.00	1040008
DN 32	G 1 ¼	60.00	1040010
DN 40	G 1 ½	105.00	1040012
DN 50	G 2	170.00	1040016
DN 65	G 2 ½	280.00	1040020



Hygate A with flanges according to EN 1092-2 PN 16

Medium	Water Water-glycol mixture
Connections	Flange EN 1092-2
Pressure rating	PN 16

Operating temperature	-10 up to 120 °C
Shutoff	Yes
Body material	Cast iron

Nominal size	Kvs	Item No.
DN 40	107.00	1045049
DN 50	250.00	1045050
DN 65	430.00	1045051
DN 80	790.00	1045052
DN 100	1,250.00	1045053
DN 125	1,960.00	1045054
DN 150	2,790.00	1045055
DN 200	2,880.00	1045056
DN 250	4,306.00	1045057
DN 300	6,380.00	1045058

Pressure gauge cocks

Pressure gauge cock with internal thread and stuffing box



Medium	Water	Measuring connection	Yes
Connection size	G ½	Draining	No
Connections	Internal thread	Body material	Brass
Operating temperature	-10 up to 120 °C	Insulation shell	No
Shutoff	Yes		

Nominal size	Pressure rating	Item No.
DN 15	PN 10	1110104
DN 15	PN 25	1110174

Pressure gauge cock with internal thread and test flange 25 x 60 mm



Medium	Water	Measuring connection	Yes
Connection size	G ½	Draining	No
Connections	Internal thread	Body material	Brass
Operating temperature	-10 up to 120 °C	Insulation shell	No
Shutoff	Yes		

Nominal size	Pressure rating	Item No.
DN 15	PN 25	1110204

Pressure gauge cock, push button type with internal thread



Brass, nickel-plated. Outlet also corresponds to pressure gauge screw-in hole according to DIN EN 837-1. The pressure is only measured when the push button is pressed down, after releasing it, the system disconnection takes place automatically. The pressure gauge is depressurized in the disconnected position.
Water: PN 25, 0 °C to 90 °C

Connection size	G ½	Draining	No
Connections	Internal thread	Body material	Brass
Shutoff	Yes	Insulation shell	No
Measuring connection	Yes		

Nominal size	Pressure rating	Item No.
DN 15	PN 25	1110504

Pressure gauge shutoff valves



Pressure gauge shutoff valve with clamping sleeve and spigot, PN 250

For connecting pressure measuring devices and pressure gauges to systems. Application: Liquids, gases and vapours to which the materials of the valves are resistant.
Body, clamping sleeve, union nut and, if applicable, test spigot or flange made of brass. Spindle and vent screw made of stainless steel, seal packing made of PTFE, handwheel made of plastic.

Connections	Clamping sleeve / Spigot	Insulation shell	No
Pressure rating	PN 250		

Description	Item No.
DIN 16270-A-20 Ms, brass / stainless steel, without test connection	1115004
DIN 16271-A-20 Ms, brass / stainless steel, with test spigot M 20 x 1.5	1115104



Pressure gauge shutoff valve with clamping sleeve and spigot, PN 250

For connecting pressure measuring devices and pressure gauges to systems. Application: Liquids, gases and vapours to which the materials of the valves are resistant.
Body, clamping sleeve, union nut and, if applicable, test spigot or flange made of steel. Spindle and vent screw made of stainless steel, seal packing made of graphite, handwheel made of plastic.

Connections	Clamping sleeve / Spigot	Insulation shell	No
Pressure rating	PN 400		

Description	Item No.
DIN 16270-A-10 St, steel / stainless steel, without test connection	1116004

Accessories and spare parts



Vent valve PN 25

Pressure rating	PN 25

Nominal size	Item No.
DN 15	1067004



Pressure gauge cocks - Accessories

Description	Item No.
Transition piece DN 15 made of brass with rotatable union nut, with graphited sealing washer for differential pressure gauge, suitable for pressure gauge cocks item no. 11101.. to 11105..	1111904
Graphited sealing washer for pressure gauge cocks	1905551



Pressure gauge shutoff valves - Accessories

Description	Item No.
Cu sealing ring DIN 16528 for pressure gauge shutoff valves	1905552



Replacement handwheel for Hygate A gate valves with internal thread

Nominal size	Item No.
DN 10 and DN 15	1900051
DN 20 and DN 25	1900052
DN 32 and DN 40	1900053
DN 50	1900054
DN 65	1900055
DN 80 and DN 100	1900056



Replacement cap with sealing washer and chain

For item no. 10650.., 10656.., 10660.., 10665.. and 10666..

Connections: Internal thread

Nominal size	Connection size	Item No.
DN 15	G ¾	1066904
DN 20	G 1	1066906
DN 25	G 1 ¼	1066908
DN 32	G 1 ¾	1066910



2.5 Shutoff valves and other pipeline valves

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Butterfly valves



The lugged and wafer butterfly valves are designed for installation between two flanges according to EN 1092-2. The neck is extended for insulation purposes. Higher nominal sizes are available on request.
For central heating and cooling systems with closed circuits. For operation with non-aggressive, non-hazardous liquids, e.g. water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195.
Body made of nodular cast iron, spindle and disc made of stainless steel.

Medium	Water Water-glycol mixture
Pressure rating	PN 16
Operating temperature	-10 up to 120 °C
Shutoff	Yes
Body material	Nodular cast iron



Lugged butterfly valve PN 16

For flanges according to EN 1092-2 PN 16 (up to DN 150 also PN 10).

Connections	Lug type

Nominal size	Kvs	Item No.
DN 50	147.00	1048450
DN 65	290.00	1048451
DN 80	450.00	1048452
DN 100	730.00	1048453
DN 125	1,260.00	1048454
DN 150	1,990.00	1048455
DN 200	4,390.00	1048456



Lugged butterfly valve PN 16, gear operated

For flanges according to EN 1092-2 PN 16 (up to DN 150 also PN 10).

Connections	Lug type

Nominal size	Kvs	Item No.
DN 100	730.00	1049253
DN 125	1,260.00	1049254
DN 150	1,990.00	1049255
DN 200	4,390.00	1049256
DN 250	4,500.00	1049257
DN 300	6,800.00	1049258
DN 350	8,900.00	1049259
DN 400	11,500.00	1049260
DN 450	15,000.00	1049261
DN 500	18,800.00	1049262
DN 600	27,600.00	1049263



Wafer butterfly valve PN 16

For flanges according to EN 1092-2 PN 16, PN 10 or PN 6.

Connections	Intermediate flange

Nominal size	Kvs	Item No.
DN 50	147.00	1046450
DN 65	290.00	1046451
DN 80	450.00	1046452
DN 100	730.00	1046453
DN 125	1,260.00	1046454
DN 150	1,990.00	1046455
DN 200	4,390.00	1046456



Wafer butterfly valve PN 16, gear operated

For flanges according to EN 1092-2 PN 16, PN 10 or PN 6.

Connections	Intermediate flange

Nominal size	Kvs	Item No.
DN 100	730.00	1047253
DN 125	1,260.00	1047254
DN 150	1,990.00	1047255
DN 200	4,390.00	1047256
DN 250	4,500.00	1047257
DN 300	6,800.00	1047258

Spare parts for butterfly valves



Lever

For item no. 10484.. and 10464..

Description	Item No.
DN 50 to DN 80	1048491
DN 100 to DN 150	1048492
DN 200	1048493



Gear operator with handwheel

For item no. 10464.., 10472.., 10484.. and 10492..

Description	Item No.
DN 50 to DN 100	1049850
DN 125 to DN 200	1049853

Check valves



Check valve for closed heating and cooling systems.

Consisting of a Y-pattern body and valve insert with spring-loaded plug.

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 25

Opening pressure	40 mbar
Body material	Brass

Check valve with internal thread PN 25, FKM seal



With FKM seal for operation with water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195 (with a max. glycol content of 50%, ph value 6.5...10) as well as non-aggressive, non-hazardous liquids.

Operating temperature	0 up to 100 °C
Material resistance	Mineral, heating and hydraulic oils Fuels Air Not suitable for gaseous fluids group 1 according to directive 2014/68/EU

Nominal size	Connection size	Kvs	Item No.
DN 10	Rp ⅜	3.40	1072203
DN 15	Rp ½	6.00	1072204
DN 20	Rp ¾	10.90	1072206
DN 25	G 1	17.80	1072208
DN 32	G 1 ¼	28.20	1072210
DN 40	G 1 ½	41.20	1072212
DN 50	G 2	62.10	1072216

Check valve with internal thread PN 25, EPDM seal



With EPDM seal for use with water (including potable water) or water-glycol mixtures according to VDI 2035 / ÖNORM 5195 (max. 50% glycol content, ph value 6.5...10). Also for systems with open circuits that are operated with water.

Operating temperature	-10 up to 150 °C

Nominal size	Connection size	Kvs	Item No.
DN 10	Rp ⅜	3.40	1072303
DN 15	Rp ½	6.00	1072304
DN 20	Rp ¾	10.90	1072306
DN 25	G 1	17.80	1072308
DN 32	G 1 ¼	28.20	1072310
DN 40	G 1 ½	41.20	1072312
DN 50	G 2	62.10	1072316

Swing check valves



Backflow preventers for horizontal and vertical installation in risers, flap opening upwards.
For central heating and cooling systems with closed circuits. For operation with non-aggressive, non-hazardous liquids, e.g. water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195.

Medium	Water Water-glycol mixture
Pressure rating	PN 16



Swing check valve with internal thread PN 16

Metal to metal sealing. Body made of bronze, inner parts made of brass.

Connections	Internal thread	Body material	Bronze
Operating temperature	-10 up to 80 °C		

Nominal size	Connection size	Kvs	Item No.
DN 15	G ½	5.50	1075004
DN 20	G ¾	10.20	1075006
DN 25	G 1	20.20	1075008
DN 32	G 1 ¼	34.70	1075010
DN 40	G 1 ½	44.90	1075012
DN 50	G 2	104.00	1075016
DN 65	G 2 ½	175.00	1075020



Swing check valve with flanges according to EN 1092-2 PN 16

Body, cover and stuffing box assembly made of cast iron, valve seat made of brass, asbestos-free seals.

Connections	Flange EN 1092-2	Body material	Cast iron
Operating temperature	-10 up to 120 °C		

Nominal size	Kvs	Item No.
DN 40	85.00	1073049
DN 50	132.00	1073050
DN 65	326.00	1073051
DN 80	490.00	1073052
DN 100	770.00	1073053
DN 125	1,020.00	1073054
DN 150	1,700.00	1073055
DN 200	2,410.00	1073056
DN 250	3,870.00	1073057
DN 300	5,670.00	1073058



Swing check valve (wafer model) PN 16

Body and flap made of galvanised steel with EPDM seal. Suitable for 3 m/s flow velocity.

Connections	Intermediate flange	Body material	Steel
Operating temperature	-10 up to 120 °C		

Nominal size	Kvs	Item No.
DN 40	22.20	1072549
DN 50	54.00	1072550
DN 65	75.00	1072551
DN 80	112.00	1072552
DN 100	172.00	1072553
DN 125	342.00	1072554
DN 150	490.00	1072555
DN 200	1,128.00	1072556
DN 250	1,500.00	1072557
DN 300	1,850.00	1072558
DN 350	2,700.00	1072559 °
DN 400	3,500.00	1072560 °
DN 500	5,200.00	1072561 °



Double swing check valve (wafer model) PN 16

Body made of cast iron, flaps made of stainless steel with EPDM seat seal.

Connections	Intermediate flange	Body material	Cast iron
Operating temperature	0 up to 120 °C		

Nominal size	Kvs	Item No.
DN 50	55.00	1072650
DN 65	82.00	1072651
DN 80	115.00	1072652
DN 100	236.00	1072653
DN 125	500.00	1072654
DN 150	700.00	1072655
DN 200	1,100.00	1072656
DN 250	2,000.00	1072657
DN 300	3,300.00	1072658
DN 350	3,950.00	1072659
DN 400	5,000.00	1072660
DN 450	6,550.00	1072661 °
DN 500	8,250.00	1072662 °
DN 600	12,600.00	1072663 °

° Production will be discontinued

Strainers



For central heating and cooling systems with closed circuits. For operation with non-aggressive, non-hazardous liquids, e.g. water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195.

Medium	Water Water-glycol mixture



Strainer with internal thread PN 25, mesh size 600 µm

Screen insert made of stainless chromium nickel steel.

Connections	Internal thread
Pressure rating	PN 25
Operating temperature	-10 up to 150 °C
Body material	Brass
Material resistance	Mineral, heating and hydraulic oils Fuels Air Non-hazardous, non-aggressive gases Not suitable for gaseous fluids group 1 according to directive 2014/68/EU

Nominal size	Connection size	Kvs	Item No.
DN 8	G ¼	2.00	1120202
DN 10	Rp ⅜	2.70	1120203
DN 15	Rp ½	4.60	1120204
DN 20	Rp ¾	9.50	1120206
DN 25	G 1	14.80	1120208
DN 32	G 1 ¼	25.70	1120210
DN 40	G 1 ½	34.70	1120212
DN 50	G 2	58.30	1120216

Strainer with internal thread PN 25, mesh size 250 µm



Screen insert made of stainless chromium nickel steel.

Connections	Internal thread
Pressure rating	PN 25
Operating temperature	-10 up to 150 °C
Body material	Brass
Material resistance	Mineral, heating and hydraulic oils Fuels Air Non-hazardous, non-aggressive gases Not suitable for gaseous fluids group 1 according to directive 2014/68/EU

Nominal size	Connection size	Kvs	Item No.
DN 8	G ¼	1.90	1121202
DN 10	Rp ⅜	2.60	1121203
DN 15	Rp ½	4.10	1121204
DN 20	Rp ¾	8.40	1121206
DN 25	G 1	12.60	1121208
DN 32	G 1 ¼	21.60	1121210
DN 40	G 1 ½	28.90	1121212
DN 50	G 2	49.00	1121216

Strainer with external thread PN 25, mesh size 250 µm



Screen insert made of stainless chromium nickel steel. Flat sealing, without union nuts and seals.

Connections	External thread	Operating temperature	-10 up to 120 °C
Pressure rating	PN 25	Body material	Brass

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	2.70	1141004
DN 20	G 1	4.80	1141006



Strainer with flanges according to EN 1092-2 PN 16, mesh size 1 to 3 mm

Body and cover: DN 15 to DN 300 made of cast iron, DN 350 to DN 600 made of nodular cast iron. Screen insert made of stainless steel, asbestos free seal.
Screen aperture width:

- DN 15 to DN 32: 1.0 mm
- DN 40 to DN 150: 1.5 mm
- DN 200 to DN 300: 2.0 mm
- DN 350 to DN 600: 3.0 mm

Connections	Flange EN 1092-2	Operating temperature	0 up to 120 °C
Pressure rating	PN 16		

Nominal size	Kvs	Body material	Item No.
DN 15	7.00	Cast iron	1122045 °
DN 20	10.00	Cast iron	1122046 °
DN 25	15.00	Cast iron	1122047
DN 32	21.00	Cast iron	1122048
DN 40	39.00	Cast iron	1122049
DN 50	60.00	Cast iron	1122050
DN 65	105.00	Cast iron	1122051
DN 80	140.00	Cast iron	1122052
DN 100	225.00	Cast iron	1122053
DN 125	340.00	Cast iron	1122054
DN 150	405.00	Cast iron	1122055
DN 200	715.00	Cast iron	1122056
DN 250	1,355.00	Cast iron	1122057
DN 300	1,890.00	Cast iron	1122058
DN 350	2,970.00	Nodular cast iron	1122059
DN 400	4,150.00	Nodular cast iron	1122060
DN 450	5,540.00	Nodular cast iron	1122061
DN 500	6,850.00	Nodular cast iron	1122062
DN 600	9,280.00	Nodular cast iron	1122063

° Production will be discontinued

Strainers - Spare parts

Screen insert, mesh size 600 µm

For strainers item no. 11200.. and 11202.., mesh size 0.6 mm, 100 meshes / cm^2.



Nominal size	Item No.
DN 8 and DN 10	1123003
DN 15	1123004
DN 20	1123006
DN 25	1123008
DN 32	1123010
DN 40	1123012
DN 50	1123016
DN 65	1123020
DN 80	1123024

Screen insert, mesh size 600 µm

For item no. 10680.., mesh size 0.6 mm, 100 meshes/ cm^2.



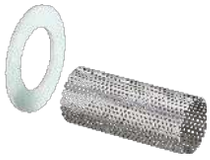
Nominal size	Item No.
DN 15	1068804
DN 20	1068806
DN 25	1068808
DN 32	1068810

Double screen insert, mesh size 250 µm

For strainers item no. 11210.., 11212.. and 11410.., mesh size 0.25 mm, 600 Maschen / cm^2.



Nominal size	Item No.
DN 8 and DN 10	1123103
DN 15	1123104
DN 20	1123106
DN 25	1123108
DN 32	1123110
DN 40	1123112
DN 50	1123116
DN 65	1123120
DN 80	1123124



Sreen insert with cover flange sealing ring

For strainers item no. 11220.. Screen aperture width:

- DN 15 to DN 32: 1.0 mm
- DN 40 to DN 150: 1.5mm
- DN 200 to DN 300: 2.0 mm
- DN 350 to DN 600: 3.0 mm

Nominal size	Item No.
DN 15 and DN 20	1122085
DN 25	1122087
DN 32	1122088
DN 40	1122089
DN 50	1122090
DN 65	1122091
DN 80	1122092
DN 100	1122093
DN 125	1122094
DN 150	1122095
DN 200	1122096
DN 250	1122097
DN 300	1122098
DN 350	1122159
DN 400	1122160
DN 450	1122161
DN 500	1122162
DN 600	1122163

Sludge separators



Sludge separator with internal thread PN 16, for horizontal installation

Sludge separators continuously remove smallest dirt particles without significantly increasing the flow resistance. A strong magnet retains magnetite. When the magnet is pulled out, the magnetic particles fall into the sump and can be rinsed out via a ball valve without interrupting the operation.

For central heating and cooling systems with closed circuits. For operation with non-aggressive, non-hazardous liquids, e.g. water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195.

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 110 °C

Draining	Yes
Body material	Brass
Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 20	Rp ¾	10.70	1124006
DN 25	Rp 1	17.20	1124008
DN 32	Rp 1 ¼	31.80	1124010
DN 40	Rp 1 ½	40.00	1124012



Insulation shell

Max. operating temperature	110 °C

Description	Item No.
DN 20 and DN 25, horizontal installation position	1124091
DN 32 and DN 40, horizontal installation position	1124092



Sludge separator with internal thread PN 16, for vertical installation

Medium	Water Water-glycol mixture
Connections	Internal thread
Pressure rating	PN 16
Operating temperature	-10 up to 110 °C

Draining	Yes
Body material	Brass
Insulation shell	Available as accessory

Nominal size	Connection size	Kvs	Item No.
DN 20	Rp ¾	10.70	1124106
DN 25	Rp 1	17.20	1124108



Insulation shell

Max. operating temperature	110 °C

Description	Item No.
DN 20 and DN 25, vertical installation position	1124191



Sludge separator with flanges according to EN 1092-1 PN 16

Medium	Water Water-glycol mixture
Connections	Flange EN 1092-1
Pressure rating	PN 16

Operating temperature	-10 up to 110 °C
Draining	Yes
Body material	Steel

Nominal size	Kvs	Item No.
DN 50	72.00	1124550
DN 65	121.00	1124551
DN 80	158.00	1124552
DN 100	244.00	1124553
DN 125	351.00	1124554
DN 150	487.00	1124555
DN 200	780.00	1124556
DN 250	1,185.00	1124557
DN 300	1,696.00	1124558

Air vents



Air vent PN 10, with automatic shutoff device

For central heating and cooling systems with closed circuits. For operation with non-aggressive, non-hazardous liquids, e.g. water or water-glycol mixtures with a max. glycol content of 30% according to VDI 2035 / ÖNORM 5195.

Medium	Water Water-glycol mixture
Connections	External thread
Pressure rating	PN 10
Operating temperature	0 up to 110 °C
Body material	Brass

Nominal size	Connection size	Item No.
DN 10	G ⅜	1088303
DN 15	G ½	1088304
DN 20	G ¾	1088306



Air vent with angle connection PN 10, nickel-plated, without automatic shutoff device

Medium	Water Water-glycol mixture
Connection size	G ½
Connections	External thread
Pressure rating	PN 10
Operating temperature	0 up to 110 °C
Body material	Brass

Nominal size	Item No.
DN 15	1088404



Precision air vent PN 10, with automatic shutoff device

With air admission barrier in the vent valve.

Medium	Water Water-glycol mixture
Connection size	G ⅜
Connections	External thread
Pressure rating	PN 10
Operating temperature	0 up to 110 °C
Body material	Brass

Nominal size	Item No.
DN 10	1088203


Regudis W-HTE

Stations

3

3 Stations

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Regumat S Stations for unmixed heating circuits



For the connection of an unmixed heating circuit. The stations include all components which are necessary for the connection of heat generators, pumps and pipework. The stations enable the heating circuit to be shut off on the supply and return sides. The check valve in the return pipe prevents incorrect circulation. Flow and return can be changed individually on site.

The stations consist of a shutoff device with two ball valves to shut off the heating circuit, two thermometers integrated in the handles to display the flow and return temperatures, a check valve to prevent incorrect circulation and a thermal insulation. Depending on the model, a pump ball valve is also included for easy pump replacement without draining system parts.

The Regumat stations are characterised by a time- and space-saving installation of the boilers to the pipework systems. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials. The stations can be modularly extended with various accessories.

Version	Unmixed heating circuit
Optional supply pipe change	Yes
Thermal insulation	Yes
Shutoff	Yes
Check valve	Yes
Three-way mixing valve	No
Actuator	No
S-connection fitting 1"	No
Max. operating temperature	95 °C
Max. operating pressure	10 bar



Regumat S-130 DN 20

Commercially available pumps (DN 20, length 130 mm, G 1 external thread) can be installed.

Nominal size	DN 20
Connection heating circuit	G 1 external thread flat sealing
Connection heat generator	G 1 external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	190 mm
Width	230 mm
Height	360 mm
Length product assembly	315 mm
Centre distance	100 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	No
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	5.80
Recommended application*	42 kW

Pump type	Item No.
without pump	1355051
Wilo PARA 15-130/6-43/SC-9	1355059

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat S-130 DN 25



Commercially available pumps (DN 25, length 130 mm, G 1 ½ external thread) can be installed.

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	197 mm
Width	248 mm
Height	364 mm
Length product assembly	311 mm

Centre distance	125 mm
Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Pump ball valve with drain/flush valve	No
Overflow insert	Extendable
Kvs	7.40
Recommended application*	50 kW

Pump type	Item No.
without pump	1355071

Regumat S-180 DN 25



Suitable for the installation of the following high-efficiency pumps:
Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos PICO plus
Wilo PARA 25-180/6-43/SC-6
Grundfos ALPHA 2.1 25-40/60
Laing Ecocirc
Biral AX 13-1

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	213 mm
Width	248 mm
Height	465 mm
Length product assembly	411 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	7.00
Recommended application*	50 kW

Pump type	Item No.
without pump	1357070
Wilo PARA 25-180/6-43/SC-6	1357072
Grundfos ALPHA 2.1 25-60	1357073

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)



Regumat S-180 DN 25 for heat meters

Suitable for the installation of a heat meter.

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	200 mm
Width	248 mm
Height	513 mm
Length product assembly	460 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	No
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	7.40
Recommended application*	50 kW

Pump type	Item No.
without pump	1356050



Regumat S-180 DN 25 - compact design

Suitable for the installation of the following high-efficiency pumps:
Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos PICO plus
Grundfos ALPHA 2.1 25-40/60
Laing Ecocirc
Biral AX 13-1

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	213 mm
Width	248 mm
Height	393 mm
Length product assembly	339 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	7.00
Recommended application*	50 kW

Pump type	Item No.
without pump	1357020
Grundfos ALPHA 2.1 25-60	1357027
Wilo PARA 25-180/6-43/SC-6	1357029

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat S-180 DN 32



Commercially available pumps (DN 32, length 180 mm, G 2 external thread) can be installed.

Nominal size	DN 32
Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	221 mm
Width	350 mm
Height	530 mm
Length product assembly	445 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	9.80
Recommended application*	70 kW

Pump type	Item No.
without pump	1355075
Grundfos ALPHA 2.1 32-60	1355076
Wilo PARA 30-180/6-43/SC-9	1355079

Regumat S-180 plus DN 32



Suitable for higher performance ranges.
Commercially available pumps (DN 32, length 180 mm, G 2 external thread) can be installed.

Nominal size	DN 32
Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	221 mm
Width	428 mm
Height	626 mm
Length product assembly	540.5 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	25.00
Recommended application*	190 kW

Pump type	Item No.
without pump	1355070
Grundfos MAGNA3 32-100	1355080
Wilo Stratos Maxo 30/0.5-10	1355081

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)



Regumat S-220 DN 40

Commercially available pumps (DN 40, length 220 mm, flanged connection PN 10) can be installed.

Nominal size	DN 40
Connection heating circuit	G 2 internal thread
Connection heat generator	G 2 external thread flat sealing
Pump length	220 mm
Supply pipe	Left
Length	340 mm
Width	428 mm
Height	850 mm
Length product assembly	797 mm

Centre distance	180 mm
Universal thermal insulation	Yes
Wall bracket	No
Pump ball valve	Yes
Pump ball valve with drain/flush valve	Yes
Overflow insert	No
Kvs	29.30
Recommended application*	200 kW

Pump type	Item No.
without pump	1358240
Wilo Stratos Maxo 40/0.5-8	1358251
Grundfos MAGNA3 40-100F	1358252



Regumat S-280 DN 50

Suitable for the installation of the following high-efficiency pumps:
Wilo Stratos Maxo 50/0.5-12
Grundfos MAGNA3 50-120F

Nominal size	DN 50
Connection heating circuit	G 2 internal thread
Connection heat generator	G 2 external thread flat sealing
Pump length	280 mm
Supply pipe	Left
Length	340 mm
Width	428 mm
Height	850 mm
Length product assembly	797 mm

Centre distance	180 mm
Universal thermal insulation	Yes
Wall bracket	No
Pump ball valve	Yes
Pump ball valve with drain/flush valve	Yes
Overflow insert	No
Kvs	29.30
Recommended application*	200 kW

Pump type	Item No.
without pump	1358540
Wilo Stratos Maxo 50/0.5-12	1358551
Grundfos MAGNA3 50-120F	1358552

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat M3 Stations for mixed heating circuits



For the connection of a mixed heating circuit. The stations include all components which are necessary for the connection of heat generators, pumps and pipework. The stations enable the heating circuit to be shut off on the supply and return sides. The check valve in the return pipe prevents incorrect circulation. Flow and return can be changed individually on site.

The stations consist of a shutoff device with two ball valves to shut off the heating circuit, two thermometers integrated in the handles to display the flow and return temperatures, a check valve to prevent incorrect circulation, a three-way mixing valve with actuator and a thermal insulation. Depending on the model, a pump ball valve is also included for easy pump replacement without draining system parts.

The Regumat stations are characterised by a time- and space-saving installation of the boilers to the pipework systems. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials. The stations can be modularly extended with various accessories.

Version	Mixed heating circuit
Optional supply pipe change	Yes
Thermal insulation	Yes
Shutoff	Yes
Check valve	Yes
Three-way mixing valve	Yes
Temperature control	Electronic
S-connection fitting 1"	No
Max. operating temperature	95 °C
Max. operating pressure	10 bar



Regumat M3-130 DN 20

Commercially available pumps (DN 20, length 130 mm, G 1 external thread) can be installed.

Nominal size	DN 20
Connection heating circuit	G 1 external thread flat sealing
Connection heat generator	G 1 external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	190 mm
Width	230 mm
Height	360 mm
Length product assembly	315 mm
Centre distance	100 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	No
Pump ball valve with drain/flush valve	No
Overflow insert	No
Actuator	Yes
Kvs	5.10
Recommended application*	37 kW

Pump type	Item No.
without pump	1355251
Wilo PARA 15-130/6-43/SC-9	1355259

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)



Regumat M3-130 DN 25

Commercially available pumps (DN 25, length 130 mm, G 1 ½ external thread) can be installed.

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	197 mm
Width	248 mm
Height	364 mm
Length product assembly	311 mm

Centre distance	125 mm
Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Pump ball valve with drain/flush valve	No
Overflow insert	Extendable
Actuator	Yes
Kvs	4.30
Recommended application*	40 kW

Pump type	Item No.
without pump	1355271



Regumat M3-180 DN 25

Suitable for the installation of the following high-efficiency pumps:
Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos PICO plus
Wilo PARA 25-180/6-43/SC-6
Grundfos ALPHA 2.1 25-40/60
Laing Ecocirc
Biral AX 13-1

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	213 mm
Width	248 mm
Height	465 mm
Length product assembly	411 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Kvs	5.50
Recommended application*	40 kW

Pump type	Actuator	Item No.
without pump	No	1357265
without pump	Yes	1357270
Wilo PARA 25-180/6-43/SC-6	Yes	1357272
Grundfos ALPHA 2.1 25-60	Yes	1357273

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat M3-180 DN 25 for heat meters



Suitable for the installation of a heat meter.

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	200 mm
Width	248 mm
Height	513 mm
Length product assembly	460 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	No
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Actuator	Yes
Kvs	4.30
Recommended application*	35 kW

Pump type	Item No.
without pump	1356250

Regumat M3-180 DN 25 - compact design



Suitable for the installation of the following high-efficiency pumps:
Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos PICO plus
Wilo PARA 25-180/6-43/SC-6
Grundfos ALPHA 2.1 25-40/60
Laing Ecocirc
Biral AX 13-1

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	213 mm
Width	248 mm
Height	393 mm
Length product assembly	339 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	No
Pump ball valve with drain/flush valve	No
Overflow insert	No
Actuator	Yes
Kvs	5.50
Recommended application*	40 kW

Pump type	Item No.
without pump	1357220
Grundfos ALPHA 2.1 25-60	1357227
Wilo PARA 25-180/6-43/SC-6	1357229

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)



Regumat M3-180 DN 32

Commercially available pumps (DN 32, length 180 mm, G 2 external thread) can be installed.

Nominal size	DN 32
Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	221 mm
Width	350 mm
Height	530 mm
Length product assembly	445 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Actuator	Yes
Kvs	8.10
Recommended application*	65 kW

Pump type	Item No.
without pump	1355275
Grundfos ALPHA 2.1 32-60	1355276
Wilo PARA 30-180/6-43/SC-9	1355279



Regumat M3-180 plus DN 32

Suitable for higher performance ranges.
Commercially available pumps (DN 32, length 180 mm, G 2 external thread) can be installed.

Nominal size	DN 32
Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	221 mm
Width	428 mm
Height	626 mm
Length product assembly	540.5 mm

Centre distance	125 mm
Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Pump ball valve with drain/flush valve	No
Overflow insert	No
Actuator	Yes
Kvs	15.00
Recommended application*	110 kW

Pump type	Item No.
without pump	1355270
Grundfos MAGNA3 32-100	1355280
Wilo Stratos Maxo 30/0.5-10	1355281

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat M3-220 DN 40



Commercially available pumps (DN 40, length 220 mm, flanged connection PN 10) can be installed.

Nominal size	DN 40	Centre distance	180 mm
Connection heating circuit	G 2 internal thread	Universal thermal insulation	Yes
Connection heat generator	G 2 external thread flat sealing	Wall bracket	No
		Pump ball valve	Yes
Pump length	220 mm	Pump ball valve with drain/flush valve	Yes
Supply pipe	Left		
Length	340 mm	Overflow insert	No
Width	428 mm	Actuator	Yes
Height	850 mm	Kvs	24.80
Length product assembly	797 mm	Recommended application*	175 kW

Pump type	Item No.
without pump	1358340
Wilo Stratos Maxo 40/0.5-8	1358351
Grundfos MAGNA3 40-100F	1358352

Regumat M3-280 DN 50



Suitable for the installation of the following high-efficiency pumps:
Wilo Stratos Maxo 50/0.5-12
Grundfos MAGNA3 50-120F

Nominal size	DN 50	Centre distance	180 mm
Connection heating circuit	G 2 internal thread	Universal thermal insulation	Yes
Connection heat generator	G 2 external thread flat sealing	Wall bracket	No
		Pump ball valve	Yes
Pump length	280 mm	Pump ball valve with drain/flush valve	Yes
Supply pipe	Left		
Length	340 mm	Overflow insert	No
Width	428 mm	Actuator	Yes
Height	850 mm	Kvs	24.80
Length product assembly	797 mm	Recommended application*	175 kW

Pump type	Item No.
without pump	1358640
Wilo Stratos Maxo 50/0.5-12	1358651
Grundfos MAGNA3 50-120F	1358652

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat S/M3 - Accessories and spare parts

Wall bracket



Description	Item No.
For Regumat DN 25 (manufactured until 2015), with fixing parts	1352096
For Regumat DN 40/50, with fixing parts	1352098
For Regumat DN 25 (manufactured from 2015), with fixing parts	1357097

Heat meter installation set



Description	Item No.
For Regumat S-180 DN 25 with pump ball valve (manufactured until 2015)	1350443
For Regumat M3/M4-180 DN 25 with pump ball valve (manufactured until 2015)	1350444
For Regumat S/M3-180 DN 25 with pump ball valve (manufactured from 2015)	1352250

Plug



Description	Item No.
For heat meter installation set (manufactured until 2015), M 10 x 1.0	1350490

Adapter



Description	Item No.
For heat meter installation set, M 10 x 1 external thread x M 10 x 1 internal thread x Ø 5.6	1352258
For heat meter installation set, M 10 x 1 external thread x M 12 x 1.5 external thread x Ø 6.2	1352259

Spacer



Description	Item No.
For Regumat-180 DN 25 - compact design	1357085
For Regumat S (manufactured from 2015), with union nuts and seals	1357086

Check valve



Description	Item No.
For Regumat S (manufactured since 2015), with union nuts and seals	1357087

Earthing clamp

For electrical connection of metallic pipework to the equipotential bonding.



Description	Item No.
DN 20 - DN 32	1359995
DN 40 - DN 50	1359996

Heating circuit controller extension set



Description	Item No.
For Regumat-180 DN 25 (manufactured from 2015), with Regtronic RHC and controller bracket	1357295 ⁘

Installation relay



Description	Item No.
For connecting high-performance pumps (> 1 A)	1152089

Replacement thermal insulation

With one-piece front insultation shell.



Description	Item No.
For Regumat-130 DN 25	1355090
For Regumat-180 DN 25 with pump ball valve	1355091
For Regumat-180 DN 32	1355092



Replacement universal thermal insulation

Description	Item No.
For Regumat-180 DN 25 with pump ball valve (manufactured until 2015)	1356097
For Regumat-180 DN 25 without pump ball valve (manufactured until 2015)	1356098
For Regumat-180 DN 25 with pump ball valve (manufactured from 2015), with expanded metal	1357096



Replacement shutoff device

Description	Item No.
For Regumat DN 25 (manufactured until 2015)	1353181



Replacement ball valve

Nominal size	Item No.
DN 20	1351703
DN 25	1357090



Replacement overflow insert

Description	Item No.
For Regumat DN 25 (manufactured until 2015), preset to 200 mbar	1353390 °



Replacement thermometer

Description	Item No.
For Regumat and Regusol stations DN 20, blue	1351701
For Regumat and Regusol stations DN 20, red	1351702
For Regumat-130 DN 25 and Regumat DN 32/40/50, blue	1355093
For Regumat-130 DN 25 and Regumat DN 32/40/50, red	1355094
For Regumat-180 DN 25 (manufactured until 2015), blue	1356293
For Regumat-180 DN 25 (manufactured until 2015), red	1356294
For Regumat DN 25 (manufactured from 2015), DN 32 (manufactured from 2013) and DN 32 plus, blue	1357098
For Regumat DN 25 (manufactured from 2015), DN 32 (manufactured from 2013) and DN 32 plus, red	1357099

° Production will be discontinued



Replacement flanged pipe

Description	Item No.
For Regumat-180 DN 25 with pump ball valve, with check valve, length 279 mm	1352272
For Regumat-180 DN 25, with check valve, length 180 mm	1352273
For Regumat-130 DN 25, with check valve, length 212 mm	1352296
For Regumat-180 DN 25 with pump ball valve (manufactured from 2015)	1357091



Replacement pump ball valve

Description	Item No.
For Regumat DN 25 with pump ball valve (manufactured from 2015)	1357089



Replacement mains connection cable

Description	Item No.
For Grundfos ALPHA, with right-angle plug	1358150
For Wilo-Stratos PICO, with right-angle plug	1358170
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172



Replacement three-way mixing valve

Description	Item No.
For Regumat M3 DN 20	1351704
For Regumat M3 DN 25 (manufactured until 2015), without manually adustable bypass	1350271
For Regumat M3 DN 25 (manufactured until 2015), with manually adustable bypass	1350281
For Regumat M3 DN 25 (manufactured from 2015)	1357092
For Regumat M3 DN 32 (manufactured from 2013)	1355299



Replacement setting group

Description	Item No.
For manual adjustment of the three- and four-way mixing valve	1651500



Replacement sealing plug

Description	Item No.
For three-way mixing valve with manually adjustable bypass, for closing the bypass channel	1350292



Replacement regulating insert

Description	Item No.
For three-way mixing valve DN 25 (manufactured until 2015), with seal set	1350285
For four-way mixing valve DN 25, for Lineg actuators (without adapter), with seal set	1350294
For four-way mixing valve DN 25, for ESBE actuators (without adapter), with seal set	1350295
For three-way mixing valve DN 25 (manufactured from 2015), with seal set	1357095

Replacement seal set



Description	Item No.
For three-way mixing valve DN 25 (manufactured until 2015)	1350289
For four-way mixing valve DN 25	1350299
For three-way mixing valve DN 25 (manufactured from 2015)	1357094



Replacement adapter

Description	Item No.
For Oventrop actuators (manufactured until 2015), black	1350296
For Oventrop actuators (manufactured until 2005), transparent	1350297
For Oventrop actuators (manufactured from 2015), grey	1357088



Replacement actuator

Description	Item No.
For Regumat M3 DN 20/25/32, 24 V (0-10 V), running time 140 s, torque 5 Nm	1350951
For Regumat M3 DN 20/25/32, 24 V (floating), running time 140 s, torque 5 Nm	1350952
For Regumat M3 DN 20/25/32, 230 V (floating), running time 140 s, torque 5 Nm	1350953
For Regumat M3 DN 32 plus/40/50, 230 V (floating), running time 140 s, torque 15 Nm	1350956
For Regumat M3 DN 32 plus/40/50, 24 V (0-10 V), running time 140 s, torque 10 Nm	1350958
For Regumat MF/RTAF DN 25 and Regumat M3 DN 20/25/32, 230 V, running time 140 s, torque 5 Nm, with fixed setpoint flow temperature control	1351055
For Regumat M3 DN 25 (manufactured from 2015), 230 V (floating), running time 140 s, torque 5 Nm, with mounting plate and adapter	1357093
For Regumat M3 DN 20/25/32, 230 V (floating), running time 35 s, torque 5 Nm	1361098



Replacement mounting set

For subsequent installation of the actuators in the Regumat DN 25 stations with pump ball valve and Regumat DN 25 - compact design.

Description	Item No.
For actuators without mounting plate, for installation in Regumat M3 DN 25 (manufactured from 2015)	1350290

Regumat F Stations for fixed setpoint control



For the connection of a thermally controlled heating circuit. The stations are used for flow temperature control and limitation in combined radiator/surface heating systems. They include all components which are necessary for the connection of heat generators, pumps and pipework. The stations enable the heating circuit to be shut off on the supply and return sides. The check valve in the return pipe prevents incorrect circulation.

The stations consist of a shutoff device with two ball valves to shut off the heating circuit, two thermometers integrated in the handles to display the flow and return temperatures, a check valve to prevent incorrect circulation, a three-way mixing valve with temperature controller and a thermal insulation. Depending on the model, a pump ball valve is also included for easy pump replacement without draining system parts.

The Regumat stations are characterised by a time- and space-saving installation of the boilers to the pipework systems. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials. The stations can be modularly extended with various accessories.

Version	Fixed setpoint control
Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Supply pipe	Right
Width	248 mm
Centre distance	125 mm

Thermal insulation	Yes
Shutoff	Yes
Pump ball valve with drain/ flush valve	No
Overflow insert	No
Check valve	Yes
Three-way mixing valve	Yes
S-connection fitting 1"	Yes
Max. operating pressure	10 bar

3.1



Regumat F-130 DN 25

Pump length	130 mm
Optional supply pipe change	No
Length	197 mm
Height	364 mm
Length product assembly	312 mm
Actuator	No
Universal thermal insulation	No

Wall bracket	No
Pump ball valve	No
Temperature control	Thermostatic
Setting range	20 up to 50 °C
Kvs	2.20
Recommended application*	15 kW
Max. operating temperature	85 °C

Pump type	Item No.
without pump	1354171

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat F-180 DN 25



Pump length	180 mm	Wall bracket	No
Optional supply pipe change	No	Pump ball valve	Yes
Length	200 mm	Temperature control	Thermostatic
Height	512 mm	Setting range	20 up to 50 °C
Length product assembly	460 mm	Kvs	2.20
Actuator	No	Recommended application*	15 kW
Universal thermal insulation	Yes	Max. operating temperature	95 °C

Pump type	Item No.
without pump	1354270
Grundfos ALPHA 2.1 25-60	1354274
Wilo PARA 25-180/6-43/SC-6	1354276

Regumat F-180 DN 25 without temperature controller



Pump length	180 mm	Wall bracket	No
Optional supply pipe change	No	Pump ball valve	Yes
Length	200 mm	Temperature control	Without
Height	512 mm	Kvs	2.20
Length product assembly	460 mm	Recommended application*	15 kW
Actuator	No	Max. operating temperature	95 °C
Universal thermal insulation	Yes		

Pump type	Item No.
without pump	1354272

Regumat F-180 DN 25



Pump length	180 mm	Wall bracket	No
Optional supply pipe change	No	Pump ball valve	No
Length	200 mm	Temperature control	Thermostatic
Height	512 mm	Setting range	20 up to 50 °C
Length product assembly	361 mm	Kvs	2.20
Actuator	No	Recommended application*	15 kW
Universal thermal insulation	Yes	Max. operating temperature	95 °C

Pump type	Item No.
without pump	1354070

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat FR-180 DN 25



Suitable for open vented surface heating systems.

Pump length	180 mm	Wall bracket	No
Optional supply pipe change	No	Pump ball valve	No
Length	200 mm	Temperature control	Thermostatic
Height	414 mm	Setting range	20 up to 50 °C
Length product assembly	361 mm	Kvs	2.20
Actuator	No	Recommended application*	15 kW
Universal thermal insulation	Yes	Max. operating temperature	95 °C

Pump type	Item No.
Wilo PARA Z BZ 25-180/7-50/SC	1354097 °

Regumat MF-180 DN 25



With electronic fixed setpoint flow temperature control.
Suitable for the installation of the following high-efficiency pumps:
Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos PICO plus
Grundfos ALPHA 2.1 25-40/60
Laing Ecocirc
Biral AX 13-1

Pump length	180 mm	Wall bracket	Yes
Optional supply pipe change	Yes	Pump ball valve	Yes
Length	213 mm	Temperature control	Electronic
Height	465 mm	Setting range	0 up to 95 °C
Length product assembly	411 mm	Kvs	5.50
Actuator	Yes	Recommended application*	40 kW
Universal thermal insulation	Yes	Max. operating temperature	95 °C

Pump type	Item No.
without pump	1354260

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

° Production will be discontinued

Regumat F - Accessories and spare parts

Wall bracket



Description	Item No.
For Regumat DN 25 (manufactured until 2015), with fixing parts	1352096

Earthing clamp

For electrical connection of metallic pipework to the equipotential bonding.



Description	Item No.
DN 20 - DN 32	1359995

Replacement thermal insulation

With one-piece front insulation shell.



Description	Item No.
For Regumat-130 DN 25	1355090
For Regumat-180 DN 25 with pump ball valve	1355091

Replacement universal thermal insulation



Description	Item No.
For Regumat-180 DN 25 with pump ball valve (manufactured until 2015)	1356097
For Regumat-180 DN 25 without pump ball valve (manufactured until 2015)	1356098

Replacement shutoff device



Description	Item No.
For Regumat DN 25 (manufactured until 2015)	1353181

Replacement thermometer



Description	Item No.
For Regumat-130 DN 25 and Regumat DN 32/40/50, blue	1355093
For Regumat-130 DN 25 and Regumat DN 32/40/50, red	1355094
For Regumat-180 DN 25 (manufactured until 2015), blue	1356293
For Regumat-180 DN 25 (manufactured until 2015), red	1356294



Replacement flanged pipe

With check valve.

Description	Item No.
For Regumat-180 DN 25 with pump ball valve, with check valve, length 279 mm	1352272
For Regumat-180 DN 25, with check valve, length 180 mm	1352273

Replacement mains connection cable



Description	Item No.
For Grundfos ALPHA, with right-angle plug	1358150
For Wilo-Stratos PICO, with right-angle plug	1358170
For Wilo PARA, with angled plug	1358172

Replacement three-way mixing valve



Description	Item No.
For Regumat F, without temperature controller	4723050



Replacement valve insert

Description	Item No.
For Regumat F	9010490



Replacement temperature controller

With contact sensor and heat-conducting base.

Description	Item No.
Capillary tube length 2 m, control range 20 - 50 °C	1142861
Capillary tube length 2 m, control range 30 - 60 °C	1142862
Capillary tube length 2 m, control range 40 - 70 °C	1142863
Capillary tube length 2 m, control range 50 - 80 °C	1142864



Replacement actuator

Description	Item No.
For Regumat MF/RTAF DN 25 and Regumat M3 DN 20/25/32, 230 V, running time 140 s, torque 5 Nm, with fixed setpoint flow temperature control	1351055

3.1 Stations for heating circuit and cooling circuit connection

Regumat Stations for solid fuel boilers 392

Regumat RTA Stations for return temperature increase 393

Regumat RTA Accessories and spare parts 396

Regumat RTA Stations for return temperature increase



For the connection of a solid fuel boiler. The return temperature to the solid fuel boiler is at least approx. 55 °C and thus above the dew point. It prevents condensate tar formation. During start-up mode the boiler circuit is short circuited. Hot supply water is fed to the return flow via the bypass. When the return temperature of 55 °C is reached, the mixing valve opens.

The stations consist of a shutoff device with two ball valves, two thermometers integrated in the handles to display the flow and return temperatures, a check valve to prevent incorrect circulation, a three-way mixing valve with temperature controller and a thermal insulation.

The Regumat stations are characterised by a time- and space-saving installation of the boilers to the pipework systems. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials. The stations can be modularly extended with various accessories.

Version	Return temperature increase
Optional supply pipe change	No
Width	248 mm
Centre distance	125 mm
Thermal insulation	Yes
Shutoff	Yes
Pump ball valve with drain/ flush valve	No
Overflow insert	No
Check valve	Yes
Three-way mixing valve	Yes
S-connection fitting 1"	No
Max. operating pressure	10 bar



Regumat RTA-130 VR DN 25

With supply on the right hand side.

Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	364 mm
Height	197 mm
Length product assembly	321 mm
Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	3.90
Recommended application*	30 kW
Max. operating temperature	85 °C

Pump type	Item No.
Wilo PARA 25-130/6-43/SC-9	1354795

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat RTA-130 VL DN 25

With supply on the left hand side.



Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	130 mm
Supply pipe	Left
Length	197 mm
Height	364 mm
Length product assembly	321 mm

Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	3.90
Recommended application*	30 kW
Max. operating temperature	85 °C

Pump type	Item No.
Wilo PARA 25-130/6-43/SC-3	1354798

Regumat RTA-130 TOP DN 25

With connection from the top.



Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	130 mm
Supply pipe	Right
Length	197 mm
Height	364 mm
Length product assembly	321 mm

Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	3.90
Recommended application*	30 kW
Max. operating temperature	85 °C

Pump type	Item No.
Wilo PARA 25-130/6-43/SC-3	1354783

Regumat RTA-180 DN 25



Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	211 mm
Height	513 mm
Length product assembly	460 mm

Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	3.90
Recommended application*	30 kW
Max. operating temperature	85 °C

Pump type	Item No.
Wilo PARA 25-180/6-43/SC-6	1354691
without pump	1354692

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat RTA-180 DN 25



Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	200 mm
Height	414 mm
Length product assembly	371 mm

Universal thermal insulation	Yes
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	3.90
Recommended application*	30 kW
Max. operating temperature	95 °C

Pump type	Item No.
without pump	1354580
Wilo PARA 25-180/6-43/SC-6	1354587

Regumat RTAF-180 DN 25

With electronic RTA fixed setpoint control (return temperature increase).



Nominal size	DN 25
Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	465 mm
Height	213 mm
Length product assembly	411 mm

Universal thermal insulation	Yes
Wall bracket	Yes
Pump ball valve	Yes
Actuator	Yes
Temperature control	Electronic
Setting range	0 up to 95 °C
Kvs	5.50
Recommended application*	40 kW
Max. operating temperature	95 °C

Pump type	Item No.
without pump	1354560

Regumat RTA-180 DN 32



Nominal size	DN 32
Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Pump length	180 mm
Supply pipe	Right
Length	207 mm
Height	471 mm
Length product assembly	419 mm

Universal thermal insulation	No
Wall bracket	No
Pump ball valve	No
Actuator	No
Temperature control	Thermostatic
Setting range	40 up to 70 °C
Kvs	5.30
Recommended application*	35 kW
Max. operating temperature	85 °C

Pump type	Item No.
Wilo PARA 30-180/6-43/SC-9	1354571

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Regumat RTA Accessories and spare parts

Wall bracket



Description	Item No.
For Regumat DN 25 (manufactured until 2015), with fixing parts	1352096

Earthing clamp

For electrical connection of metallic pipework to the equipotential bonding.



Description	Item No.
DN 20 - DN 32	1359995

Thermal drain safety device



Description	Item No.
For temperature protection of solid fuel boilers, DN 20	1354699

Replacement thermometer



Description	Item No.
For Regumat-130 DN 25 and Regumat DN 32/40/50, blue	1355093
For Regumat-130 DN 25 and Regumat DN 32/40/50, red	1355094
For Regumat-180 DN 25 (manufactured until 2015), blue	1356293
For Regumat-180 DN 25 (manufactured until 2015), red	1356294
For Regumat RTA-180 DN 25, white, 20 °C - 100 °C	9010075

Replacement mains connection cable



Description	Item No.
For Grundfos ALPHA, with right-angle plug	1358150
For Wilo PARA, with angled plug	1358172

Replacement mixing valve group



Description	Item No.
For Regumat RTA DN 25	1350260

Replacement temperature controller

With contact sensor and heat-conducting base.



Description	Item No.
Capillary tube length 2 m, control range 40 - 70 °C	1142863

Replacement actuator



Description	Item No.
For Regumat MF/RTAF DN 25 and Regumat M3 DN 20/25/32, 230 V, running time 140 s, torque 5 Nm, with fixed setpoint flow temperature control	1351055

3.1 Stations for heating circuit and cooling circuit connection

Regumat - Accessories 398

Regumat Distributors 399
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Regumat Tailpipe sets 410
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Connection of the boiler and storage cylinder to the pipework 416
Expa-Con Cap valves 418
Pump check valves 419

Regumat Distributors

Distributor for Regumat DN 20



Connection heating circuit	G 1 union nut, flat sealing
Connection heat generator	G 1 external thread flat sealing
Centre distance	100 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	2.5 m^3/h
Recommended application*	60 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351482
3	1351483

Distributor for Regumat DN 25

Wall bracket available as accessory.



Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Cast iron
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	No
Max. flow rate	4 m^3/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351570

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Distributor for Regumat DN 25



Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	4 m³/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351580
3	1351583
4	1351584
5	1351585
6	1351586
7	1351587
8	1351588

Compact distributor for Regumat DN 25



Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	4 m³/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
3	1351783
5	1351785

Modular distributor for Regumat DN 25

Modular heating distribution system.
Extendable to up to six heating circuits by means of the extension module.
Wall bracket available as accessory.



Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Brass
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	No
Max. flow rate	4 m³/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351471
3	1351472

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Extension module for Regumat DN 25



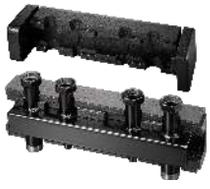
In combination with the modular distributor for Regumat DN 25 for extension to up to six heating circuits.
Wall bracket available as accessory.

Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Brass
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	No
Max. flow rate	4 m^3/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
1	1351470

Distributor for Regumat DN 32



Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	G 2 external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Material thermal insulation	Max. flow rate (m^3/h)	Recommended application* (kW)	Item No.
2	Expanded polypropylene (EPP)	9	210	1351672
3	Expanded polypropylene (EPP)	9	210	1351673
4	PU rigid foam	12	280	1351674
5	PU rigid foam	12	280	1351675

Distributor for Regumat plus DN 32



Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	G 2 external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes

Material thermal insulation	PU rigid foam
Wall bracket	No
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Max. flow rate (m^3/h)	Recommended application* (kW)	Item No.
2	12	280	1351662
3	12	280	1351663
4	26	600	1351664
5	26	600	1351665

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)



Distributor for Regumat DN 40/50

Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	Flanged connection DN 80
Centre distance	180 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	PU rigid foam

Wall bracket	No
Max. flow rate	26 m^3/h
Recommended application*	600 kW
Max. operating temperature	110 °C
Max. operating pressure	6 bar

Heating circuits	Item No.
2	1351692
3	1351693
4	1351694

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

HydroFixx Hydraulic separator / distributor combination



HydroFixx for Regumat DN 20

Connection heating circuit	G 1 union nut, flat sealing
Connection heat generator	G 1 external thread flat sealing
Centre distance	100 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	PU rigid foam

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	2.5 m³/h
Recommended application*	60 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351568
3	1351569



HydroFixx for Regumat DN 25

Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	PU rigid foam

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	4 m³/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351698
3	1351699



MonoFixx for Regumat DN 25

Connection heating circuit	G 1 ½ union nut, flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	4 m³/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
1	1351589

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Hydraulic separator DN 25



Connection heating circuit	G 1 ½ external thread flat sealing
Connection heat generator	G 1 ½ external thread flat sealing
Centre distance	280 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	4 m^3/h
Recommended application*	95 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
1	1351590

HydroFixx for Regumat DN 32



Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	G 2 external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	PU rigid foam

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	9 m^3/h
Recommended application*	210 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
2	1351758
3	1351759

HydroFixx for Regumat plus DN 32



Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	G 2 external thread flat sealing
Centre distance	125 mm
Body material	Steel
Thermal insulation	Yes

Material thermal insulation	PU rigid foam
Wall bracket	No
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Max. flow rate *(m^3/h)*	Recommended application* *(kW)*	Item No.
2	12	280	1351678
3	26	600	1351679

 Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Hydraulic separator DN 32



Connection heating circuit	G 2 external thread flat sealing
Connection heat generator	G 2 external thread flat sealing
Centre distance	550 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	Expanded polypropylene (EPP)

Wall bracket	Yes
Material wall bracket	Steel, galvanised
Max. flow rate	8 m^3/h
Recommended application*	190 kW
Max. operating temperature	110 °C
Max. operating pressure	4 bar

Heating circuits	Item No.
1	1351591

HydroFixx for Regumat DN 40 / 50



Connection heating circuit	G 2 union nut, flat sealing
Connection heat generator	Flanged connection DN 80
Centre distance	180 mm
Body material	Steel
Thermal insulation	Yes
Material thermal insulation	PU rigid foam

Wall bracket	No
Max. flow rate	26 m^3/h
Recommended application*	600 kW
Max. operating temperature	110 °C
Max. operating pressure	6 bar

Heating circuits	Item No.
2	1351778
3	1351779

Recommended application = Recommended application (ΔT = 20K, Δp = 100 mbar)

Distributors / Hydraulic separators Accessories and spare parts

Wall bracket



Description	Item No.
For distributor for Regumat DN 25, bronze/cast iron, with fixing material	1351592
For modular distributor for Regumat DN 25, brass, with fixing material	1351593

Stand bracket



Description	Item No.
For distributors/HydroFixx DN 32 plus/40/50, with fixing material	1351697

Wall bracket



Description	Item No.
For distributors/HydroFixx DN 32 plus/40/50, with fixing material	1351695

Sealing plug set



Description	Item No.
For closing a pair of heating circuits, 2-fold, DN 25	1351770
For closing a pair of heating circuits, 2-fold, DN 32	1351771

Connection fitting



Description	Item No.
For Regumat RTA below the distributor, 2 x G 1½ internal thread, 2-fold	1351655

Transition piece



Description	Item No.
From distributor DN 25 to Regumat DN 32 without pump ball valve	1351651
From distributor DN 32 to Regumat DN 25	1351652
From distributor DN 25 to Regumat DN 20, 2-fold	1351654
From distributor DN 40/50 to Regumat DN 25, 2-fold	1351657
From distributor DN 40/50 to Regumat DN 32, 2-fold	1351658

Regumat Heat exchanger



Regumat Heat exchanger with connection fitting

Modular extension for Regumat DN 25.
For extending existing heating circuits by a heat exchanger and e.g. a fixed setpoint control station, for open vented surface heating systems.

Description	Item No.
14 plates up to 14 kW (primary circuit 70/50°C, secondary circuit 40/50°C)	1351596
30 plates up to 28 kW (primary circuit 70/50°C, secondary circuit 40/50°C)	1351696



Safety group set

Description	Item No.
For Regumat heat exchanger, for the protection of pressurised systems	1351598



Connection piece set

Description	Item No.
For Regumat heat exchanger, for connecting a Regumat station to the primary side	1351597



Regumat Heat exchanger without connection fitting

Description	Item No.
20 plates up to 40 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351790
30 plates up to 55 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351791
40 plates up to 70 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351792
50 plates up to 85 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351793

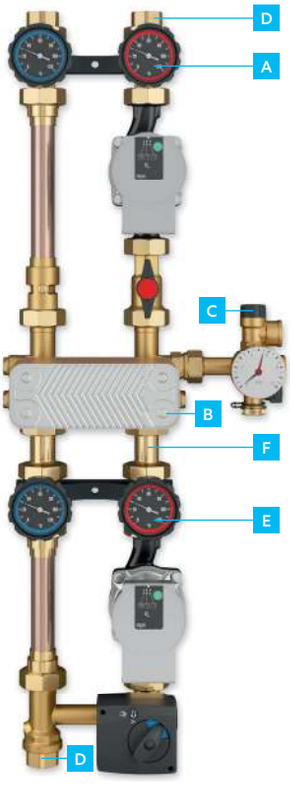
Thermal insulation



Description	Item No.
For Regumat heat exchanger item no. 1351790/1351791, made of expanded polypropylene	1359591
For Regumat heat exchanger item no. 1351792/1351793, made of expanded polypropylene	1359592



Example 1		Item no.	
A	**Regumat FR-180 DN 25**		
	with pump Grundfos ALPHA 2.1 25-60 N	1354087	
	with pump Wilo-Stratos PICO 25/1-6 RG	1354097	
B	**Regumat Heat exchanger** with 14 plates up to 14 kW	1351596	For extending existing heating circuits by a heat exchanger and a fixed value control station, for open vented heating systems.
C	**Safety group set**	1351598	
D	**Tailpipe set**	13504..	**Installation dimensions:** H = 640 mm, W = 250 mm



Example 2		Item no.	
A	**Regumat S-180 DN 25**		
	with Pumpe Wilo PARA 25-180/6-43/SC-6	1357029	
B	**Regumat Heat exchanger** with 30 plates up to 28 kW	1351696	
C	**Safety group set**	1351598	**Please note:** When swapping the supply, both pumps must always be changed.
D	**Tailpipe set**	13504..	
E	**Regumat M3-180 DN 25**		Delivered with supply on the right hand side.
	with Pumpe Wilo PARA 25-180/6-43/SC-6	1357229	
F	**Connection piece set**	1351597	**Installation dimensions:** H = 960 mm, W = 250 mm

Regumat Tailpipe sets



Regumat Tailpipe set DN 25

For connection to Regumat DN 25.

Description	Item No.
Union nut G 1 ½, 2-fold	1350450
Threaded tailpipe set Rp 1, G 1 ½ union nut, 2-fold	1350457



Regumat Tailpipe set DN 32

For connection to Regumat DN 32.

Description	Item No.
Union nut G 2, 2-fold	1350470
Threaded tailpipe set Rp 1¼, G 2 union nut, 2-fold	1350476
Coupling G 2 union nut, 2-fold, for connection to Regumat DN 32	1352088



Regumat Tailpipe set DN 40/50

For connection to Regumat DN 40/50.

Description	Item No.
Coupling R 2 external thread x G 2 union nut, 2-fold, for connection to Regumat DN 40/50	1352089

Regtronic Electronic controllers



Regtronic RHC Weather-compensated heating circuit controller for mixed/unmixed heating circuit

Compatible with Regtronic KM-IP communication module. Extendable by a maximum of 5 extension modules.

Application	Heating circuit control Cooling circuit control Heat generator activation Solid fuel boiler Service water heating
Operating voltage	230 V AC
Sensor inputs	10
Further inputs	Pulse inputs V40 Grundfos Direct Sensor

Solid-state relays	4
Electromechanical relays	2
Potential-free relays	1
PWM*	4
PWM switchable 0 - 10 V*	Yes
Heat meter	5
Product compatible to	Regtronic EM

Scope of delivery	Item No.
1 x Outdoor sensor 1 x Pipe contact sensor 2 x Storage cylinder sensor	1152085 ∷

3.1

ErP classification Regtronic RHC heating circuit controller

Item no.	Controller	Required accessories	Boiler control: Modulating (0-10 V)	Boiler control: On/Off	ErP %	Class
1152085	Regtronic RHC	—	●		2,0	II
		—		●	1,5	III
		Room control unit 1152091	●		4,0	VI
		Room control unit 1152091		●	3,5	VII
		Room control unit 1152091 2 x Room temperature sensor 1152095	●		5,0	VIII



Adapter cable

Description	Item No.
For signal transmission from the heating circuit controller Regtronic RH to a modulating heat generator with 0 - 10 V interface	1152086



Heating circuit controller extension set

Description	Item No.
For Regumat-180 DN 25 (manufactured from 2015), with Regtronic RHC and controller bracket	1357295 ∷

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V

∷ New in the catalogue 2026



Regtronic EM Extension module for the control of further mixed/ unmixed heating circuits

For extening the Regtronic controller by 6 sensor inputs and 5 relay outputs.

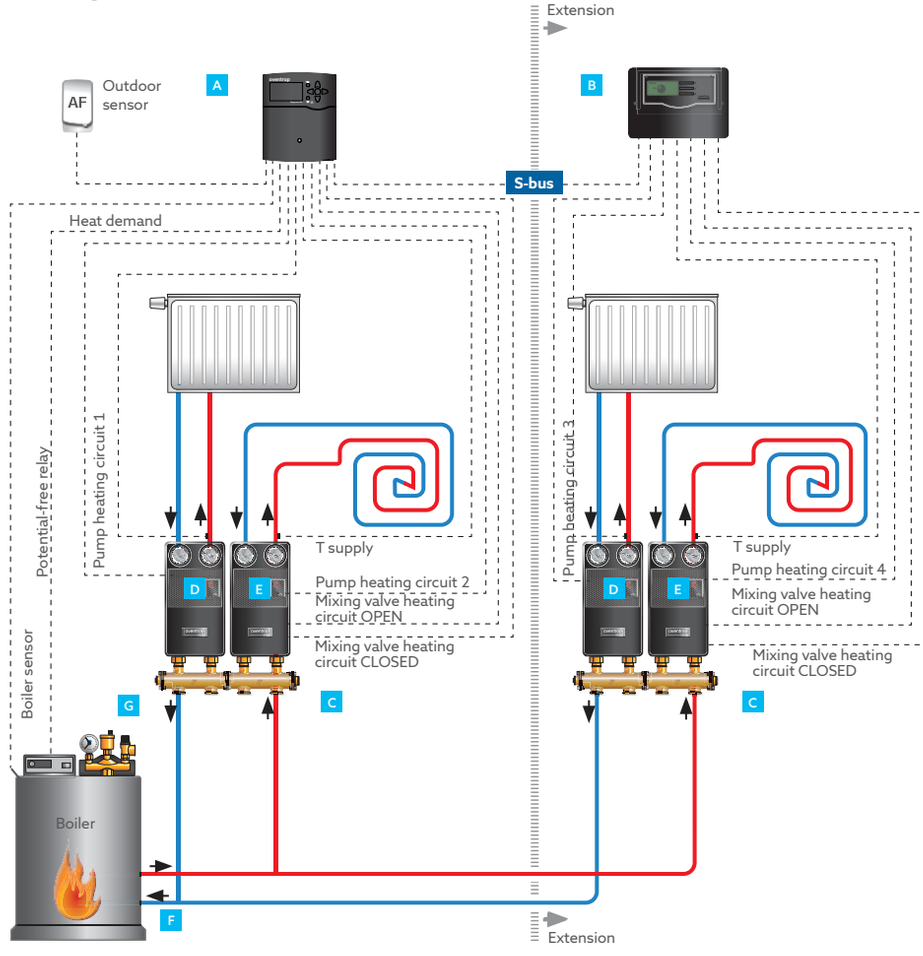
Operating voltage	230 V AC
Sensor inputs	6
Solid-state relays	4
Potential-free relays	1

Product compatible to

Regtronic RH
Regronic RHC
Regtronic RM
Regtronic RS

Scope of delivery	Item No.
1 x Pipe contact sensor	1152098

Weather-compensated control of 2 variable and 2 constant temperature heating circuits with heat demand (e.g. via a conventional boiler, solid fuel boiler or heat pump) consisting of the **Regtronic RHC** heating circuit controller with outdoor sensor and **Regtronic EM** extension module.



A **Regtronic RHC** Heating circuit controller with outdoor sensor
B **Regtronic EM** Extension module
C **Regumat** Distributor
D **Regumat S**
E **Regumat M3**
F **Optiflex** Ball valve
G **MSM-Block** Boiler safety device
H **Expa-Con** Valve with lead sealable cap



Regtronic RM Multifunction controller for the control of weather-compensated mixed/unmixed heating circuits as well as solar plants

Application	Heating circuit control Heat generator activation Solid fuel boiler, solar Service water heating Storage cylinder management
Operating voltage	230 V AC
Sensor inputs	12
Further inputs	Pulse inputs V40 Grundfos Direct Sensor FlowRotor

Solid-state relays	13
Potential-free relays	1
PWM*	4
PWM switchable 0 - 10 V*	Yes
Heat meter	7
Product compatible to	Regtronic EM

Scope of delivery	Item No.
6 x Storage cylinder sensor 2 x Collector sensor	1369555

ErP classification Regtronic RM

Item no.	Controller	Required accessories	Boiler control: Modulating (0-10 V)	Boiler control: On/Off	ErP %	Class
1369555	Regtronic RM	1 x Outside temperature sensor 1152099	●		2.0	II
		1 x Outside temperature sensor 1152099		●	1.5	III
		1 x Room temperature sensor 1152095 1 x Outside temperature sensor 1152099	●		4.0	VI
		1 x Room temperature sensor 1152095 1 x Outside temperature sensor 1152099		●	3.5	VII
		3x Room temperature sensor 1152095	●		5.0	VIII



Regtronic KM-IP Communication module BACnet IP or Modbus TCP

For integration of a controller into a building automation system via Modbus TCP.

Description	Item No.
Wall mounting	1159094

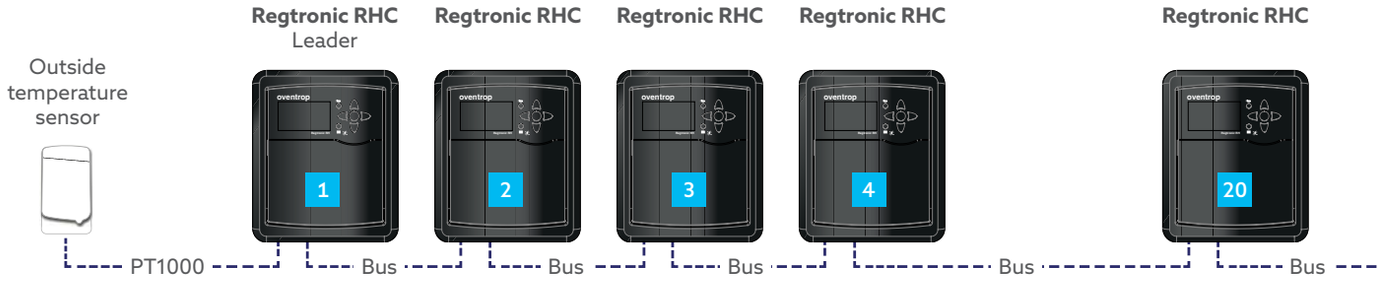


Outside temperature sensor

Suitable for Regtronic RH, RHC, RH-HT, EM, RM, RS and RD-W.

Description	Item No.
For outside temperature measurement, PT 1000 sensor element, splash-proof housing, surface mounting	1152099

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V



Example: Distribution of a temperature sensor (outside temperature sensor item no. 1152099) to up to **20 Regtronic RHC** heating circuit controllers (item no. 1152085)



Room temperature sensor

Description	Item No.
For room temperature measurement, PT 1000 sensor element, surface mounting	1152095



Remote control with room temperature sensor

Description	Item No.
For heating curve and function setting (Party, Heating circuit off), control from the living room, PT 1000 sensor element, surface mounting	1152096



Room control unit

Description	Item No.
For operating mode setting (Auto, Night, Summer, Off), for heating curve and function setting (Party, Heating off), control from the living room, PT 1000 sensor element, surface mounting	1152087



Room control unit

Description	Item No.
For setting the setpoint room temperature and measuring the relative air humidity	1152091 ⁘

⁘ New in the catalogue 2026

Sensor LW TH Temperature sensor

Suitable for all Oventrop controllers.



Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093
For temperature measurement and detection at collectors, PT 1000 sensor element, continuous temperature range up to 180 °C, length 2 m	1369094
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095

Connection of the boiler and storage cylinder to the pipework

Connection elbow



Description	Item No.
2 x G 1 union nut, 88 x 35 mm	1359042
G 1 ¼ union nut x R 1 ¼ external thread, 40 x 49 mm	1359043
G 1 external thread x G 1 union nut, 37 x 35 mm	1359062
G 1 union nut x G 1 union nut, 37 x 35 mm	1359063
G 1 union nut x G 1 external thread x G ⅜ internal thread, 37 x 35 mm	1359064
G 1 union nut x G 1 union nut x G ⅜ internal thread, 37 x 35 mm	1359065

Double fitting



Description	Item No.
2 x G 1 union nut, 30 mm	1359085
G ¾ internal thread x G ¾ union nut, 19.5 mm	1359086

Check valve



Description	Item No.
G 1 external thread x G 1 ½ pump flange, 31 mm	1359070

T-piece



Description	Item No.
G 1 x G 1 x G 1 union nut	1359080
G 1 x G 1 union nut x G 1	1359081

Pump connection piece



Description	Item No.
G 1 ½ internal thread x G 1 external thread, 32 mm	1359090
G 1 ½ internal thread x G 1 union nut, 32 mm	1359091

Double threaded fitting



Description	Item No.
R 1 x G 1 external thread, 33 mm	1359094

Expa-Con Cap valves



Expa-Con Cap valve

Required according to DIN EN 12828.
For control, maintenance and possible replacement of diaphragm expansion tanks.

Description	Item No.
DN 20, Rp ¾ internal thread, PN 10, brass, with lead sealing device	1089006
DN 20, Rp 1 internal thread, PN 10, brass, with lead sealing device	1089008
DN 32, Rp 1¼ internal thread, PN 10, brass, with lead sealing device	1089010
DN 40, Rp 1½ internal thread, PN 10, brass, with lead sealing device	1089012
DN 25, Rp 1 internal thread, PN 10, brass, with lead sealing device	1089052

Wire seal kit



Description	Item No.
10-fold, consisting of seal and sealing wire	1089091

Quick coupling for diaphragm expansion tank

For automatic separation of the expansion tank from the system.



Description	Item No.
DN 20, G ¾ internal thread x G ¾ external thread	1088806

Pump check valves



Pump check valve SVE

To prevent gravity circulation in various heating systems when the pump is switched off.
For installation behind the pump. Opening pressure 20 mbar.

Description	Item No.
DN 20, G 1¼ external thread, PN 10, brass	1070006
DN 25, G 1½ external thread, PN 10, brass	1070008
DN 32, G 2 external thread, PN 10, brass	1070010



Pump check valve SVE with automatic venting

To prevent gravity circulation in various heating systems when the pump is switched off.
For installation behind the pump. Opening pressure 20 mbar.

Description	Item No.
DN 25, G 1½ external thread, G 1½ internal thread, PN 10, brass	1070308
DN 32, G 2 external thread, G 2 internal thread, PN 10, brass	1070310



Pump check valve SVA

To prevent gravity circulation in various heating systems when the pump is switched off.
For direct connection to the circulation pump. Opening pressure 20 mbar.

Description	Item No.
DN 25, G 1 external thread, PN 10, brass	1070108
DN 32, G 1¼ external thread, PN 10, brass	1070110



Pump check valve SVI

To prevent gravity circulation in various heating systems when the pump is switched off.
For direct connection to the circulation pump. Opening pressure 20 mbar.

Description	Item No.
DN 25, G 1 internal thread, G 1½ internal thread union nut, PN 10, brass	1070208
DN 32, G 1¼ internal thread, G 2 internal thread union nut, PN 10, brass	1070210

3.2 Stations for hot potable water preparation

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3.2 Stations for hot potable water preparation

Regumaq X Fresh water stations for central hot potable water preparation 421

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Regumaq X-25 Fresh water stations



The Regumaq X-25 fresh water station is an electronically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle for connection to a buffer storage cylinder. Depending on the temperature and the volume flow on the potable water side, the circulation pump on the heating side is speed controlled. When selecting the fresh water station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a controller box, a circulation pump, a backflow preventer, a volume flow sensor, a safety valve, temperature sensors, fill and drain ball valves and ball valves.

The compact stations are characterized by high draw-off capacities at low excess temperatures. The control technology is particularly fast and precise due to turbine sensor technology and LIN pump technology. A circulation pump can be controlled permanently, thermally or on demand.

Circulation function	Extendable
Connection potable water circuit	G 1 external thread, flat sealing
Connection storage cylinder circuit	G 1 external thread, flat sealing
Length	240 mm
Width	400 mm
Height	625 mm
Centre distance potable water circuit	250 mm
Centre distance storage cylinder circuit	100 mm
Type of temperature control	Speed control storage cylinder circuit pump
Pump control signal	LIN
Volume flow sensor	Turbine
Temperature sensor	PT 1000
Setting range potable water temperature	25 up to 75 °C
Thermal insulation	Yes
Safety valve potable water circuit	Yes
Shutoff ball valve potable water circuit	Yes
Shutoff ball valve storage cylinder circuit	Yes
Fill and drain valve potable water circuit	Yes
Number of fill and drain valves potable water circuit	2
Fill and drain valve storage cylinder circuit	Yes
Number of fill and drain valves storage cylinder circuit	2
Preprogrammed system examples	No
Additional controller functions	Yes
Nominal draw-off quantity*	29 l/min
Kv value potable water circuit	1.88
Kv value storage cylinder circuit	2.67
Max. operating temperature	95 °C
Max. operating pressure	10 bar
Leak tested	Yes
Certification	SVGW

Regumaq X-25



Heat exchanger	Item No.
Copper brazed	1381125
Copper brazed, Sealix	1381127

Nominal draw-off quantity = Nominal draw-off quantity heating of potable water 10 °C/60 °C with ΔT 15 K (according to SFP test procedure)

Regumaq X-45 Fresh water stations



2019 2019 2020

The Regumaq X-45 fresh water station is an electronically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle for connection to a buffer storage cylinder. Depending on the temperature and the volume flow on the potable water side, the circulation pump on the heating side is speed controlled. When selecting the fresh water station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a controller with touch control panel, a circulation pump, a backflow preventer, a volume flow sensor, a safety valve, temperature sensors, fill and drain ball valves and ball valves.

The compact stations are characterized by high draw-off capacities at low excess temperatures. The control technology is particularly fast and precise due to turbine sensor technology and LIN pump technology. With intuitive touch control panel for setting extensive functions such as circulation (continuous operation, timer, thermal or on demand), return water stratification or heat demand.

Circulation function	Extendable
Connection potable water circuit	G 1 external thread, flat sealing
Connection storage cylinder circuit	G 1 external thread, flat sealing
Length	240 mm
Width	400 mm
Height	625 mm
Centre distance potable water circuit	250 mm
Centre distance storage cylinder circuit	100 mm
Type of temperature control	Speed control storage cylinder circuit pump
Pump control signal	LIN
Volume flow sensor	Turbine
Temperature sensor	PT 1000
Setting range potable water temperature	20 up to 75 °C
Thermal insulation	Yes
Safety valve potable water circuit	Yes
Shutoff ball valve potable water circuit	Yes
Shutoff ball valve storage cylinder circuit	Yes
Fill and drain valve potable water circuit	Yes
Number of fill and drain valves potable water circuit	2
Fill and drain valve storage cylinder circuit	Yes
Number of fill and drain valves storage cylinder circuit	2
Preprogrammed system examples	Yes
Additional controller functions	Yes
Nominal draw-off quantity*	45 l/min
Kv value potable water circuit	2.55
Kv value storage cylinder circuit	3.41
Max. operating temperature	95 °C
Max. operating pressure	10 bar
Leak tested	Yes
Certification	SVGW

Regumaq X-45



Heat exchanger	Item No.
Copper brazed	1381140
Copper brazed, Sealix	1381142

Nominal draw-off quantity = Nominal draw-off quantity heating of potable water 10 °C/60 °C with ΔT 15 K (according to SFP test procedure)

Regumaq X-25/X-45 - Accessories and spare parts



Potable water circulation set

For extending the Regumaq X-25 / X45 fresh water station by a potable water circulation.

Description	Item No.
For Regumaq X-25/X-45, with circulation pump Wilo PARA BZ Z 15-130/7-50/SC	1381150
For Regumaq X-25/X-45, without circulation pump	1381152



Return stratification control valve

For temperature-dependent stratification of the return water in the lower or central storage cylinder section.
A temperature sensor, item no. 1369095, is also required.

Description	Item No.
For Regumaq X-45, with actuator, 230 V, running time 20 s, DN 25, kvs value 11.30	1381190



Installation relay

Description	Item No.
For connecting high-performance pumps (> 1 A)	1152089



Earthing clamp

For electrical connection of metallic pipework to the equipotential bonding.

Description	Item No.
DN 20 - DN 32	1359995

Maintenance cable



Description	Item No.
For Regumaq X-45, consisting of a connecting cable (2 m) incl. 2 magnetic contacts	1381172

Strainer



Description	Item No.
Both sides flat sealing external thread, with double screen insert 250 µm, PN 25, DN 20	1141006

Aquastrom P Water sampling valve



Description	Certification	Item No.
DN 8, PN 10, bronze/stainless steel	DVGW, SVGW, PZH	4209102
DN 10, PN 10, bronze/stainless steel	DVGW, SVGW, PZH	4209103



Replacement heat exchanger

For Regumaq X-25 (perfomance range 2) and Regumaq X-45 (performance range 3).
The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
Performance range 2, copper brazed	1344084
Performance range 3, copper brazed	1344085
Performance range 2, copper brazed with Sealix® protective layer	1344094
Performance range 3, copper brazed with Sealix® protective layer	1344095

Replacement volume flow sensor



Description	Item No.
For Regumaq X-25/X-45 fresh water stations, housing with slide-in turbine and hall effect sensor	1381174

Replacement temperature sensor



Description	Item No.
For Regumaq X-25/X-45, PT 1000, length 1 m	1381163

Replacement check valve



Description	Item No.
For Regumaq X-25/X-45 primary circuit	1381167

Replacement housing with check valve



Description	Item No.
For Regumaq X-25/X-45 circulation	1381169

Replacement pump



Description	Item No.
For Regumaq X-25/X-45 primary circuit, Wilo PARA 15-130/8-75/LIN-9	1381166
For Regumaq X-25/X-45 potable water circulation set, Wilo PARA BZ Z 15-130/7-50/SC	1381168

Replacement mains connection cable



Description	Item No.
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172

Replacement sealing ring



Description	Item No.
For Regumaq X-25/X-45 and Regudis W-HTE, 5-fold, for junction G ¾	1344497
For Regumaq X-25/X-45 and Regudis W-HTE, 5-fold, for junction G 1	1344498



Replacement controller

Description	Item No.
For Regumaq X-45, cabled without touch control panel	1381160
For Regumaq X-45, touch control panel	1381161
For Regumaq X-25, cabled	1381162

Regumaq X-80 Fresh water stations



The Regumaq X-80 fresh water station is an electronically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle for connection to a buffer storage cylinder. Depending on the temperature and the volume flow on the potable water side, the circulation pump on the heating side is speed controlled. When selecting the fresh water station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a controller, a circulation pump, a throttling valve with actuator, a volume flow sensor, a safety valve, temperature sensors, fill and drain ball valves and ball valves.

The particularly powerful stations are characterized by high draw-off capacities at low excess temperatures. With the help of the Regtronic KM-IP communication module, the controller can be integrated into the building automation system via a BACnet IP or a Modbus TCP interface.

SVGW

Circulation function	Extendable
Connection potable water circuit	G 1 ½ external thread, flat sealing
Connection storage cylinder circuit	G 1 ½ external thread, flat sealing
Length	300 mm
Width	660 mm
Height	875 mm
Centre distance potable water circuit	205 mm
Centre distance storage cylinder circuit	220 mm
Type of temperature control	Speed control storage cylinder circuit pump with throttling valve
Pump control signal	PWM
Volume flow sensor	Turbine
Temperature sensor	PT 1000
Setting range potable water temperature	20 up to 75 °C
Thermal insulation	Yes
Safety valve potable water circuit	Yes
Shutoff ball valve potable water circuit	Yes
Shutoff ball valve storage cylinder circuit	Yes
Fill and drain valve potable water circuit	Yes
Number of fill and drain valves potable water circuit	2
Fill and drain valve storage cylinder circuit	Yes
Number of fill and drain valves storage cylinder circuit	2
Preprogrammed system examples	No
Additional controller functions	Yes
Nominal draw-off quantity*	77 l/min
Kv value potable water circuit	6.6
Kv value storage cylinder circuit	6.9
Max. operating temperature	95 °C
Max. operating pressure	10 bar
Leak tested	Yes
Certification	SVGW

3.2

Regumaq X-80



Heat exchanger	Item No.
Copper brazed	1381580
Copper brazed, Sealix	1381582

Nominal draw-off quantity = Nominal draw-off quantity heating of potable water 10 °C/60 °C with ΔT 15 K (according to SFP test procedure)

Regumaq X-80 - Accessories and spare parts



Potable water circulation set

For extending the Regumaq X-80 fresh water station by a potable water circulation.

Description	Item No.
For Regumaq X-80, without circulation pump	1381590



High-efficiency circulation pump

Description	Item No.
For Regumaq X-80 potable water circulation set, Wilo PARA BZ Z 15-130/7-50/SC	1381591
For Regumaq X-80 potable water circulation set, Wilo PARA MAXO-Z 25-180-10-F02	1381592



Shutoff unit

To prevent gravity circulation in the primary circuit (cannot be used in combination with a return water stratification).

Description	Item No.
For Regumaq X-80, with Hycocon HTZ DN 40 and Aktor M 2P H	1381078



Regtronic KM-IP Communication module BACnet IP or Modbus TCP

For integration of a controller into a building automation system via Modbus TCP.

Description	Item No.
Wall mounting	1159094

Collective fault module



Description	Item No.
For Regumaq X-30/XZ-30/X-80	1381594

Return stratficiation ball valve



For temperature-dependent stratification of the return water in the lower or central storage cylinder section. A return stratification set consists of a return stratifiction ball valve, an actuator (item no. 1381199) and a temperature sensor PT 1000 (item no. 1369093).

Description	Item No.
DN 32, Rp 1¼, kvs 15.00, PN 16, brass	1381192
DN 40, Rp 1½, kvs 47.00, PN 16, brass	1381193
DN 50, Rp 2, kvs 75.00, PN 16, brass	1381194

Actuator



Description	Item No.
For return stratification ball valve	1381199

Installation relay



Description	Item No.
For connecting high-performance pumps (> 1 A)	1152089

Earthing clamp

For electrical connection of metallic pipework to the equipotential bonding.



Description	Item No.
DN 20 - DN 32	1359995
DN 40 - DN 50	1359996

Connection fitting



One connection fitting item no. 1381585 is required to integrate a G 1 circulation pump installed on site into the potable water circulation set item no. 1381590. One connection fitting item no. 1381587 and one connection fitting item no. 1359091 are required for a G 1 ½ circulation pump.

Description	Item No.
G 1 ½ internal thread x G 1 union nut, 32 mm	1359091
G 1 internal thread x G 1 internal thread	1381585
G 1 ½ internal thread x G 1 internal thread	1381587

Aquastrom P Water sampling valve



Description	Certification	Item No.
DN 8, PN 10, bronze/stainless steel	DVGW, SVGW, PZH	4209102
DN 10, PN 10, bronze/stainless steel	DVGW, SVGW, PZH	4209103

Replacement heat exchanger



The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
For Regumaq X-80, 46 plates, copper brazed, Sealix® protective layer	1381584
For Regumaq X-80, 46 plates, copper brazed	1381595

Optibal TW replacement ball valve



Certification	Item No.
DVGW	1078910

Replacement check valve



Description	Item No.
For Regumaq XZ-30/X-80 potable water circulation set	1381089

Replacement volume flow sensor



Description	Item No.
For Regumaq X-80 (VTY25)	1381693

Replacement temperature sensor



Description	Item No.
For Regumaq X-30/XZ-30/X-80 fresh water stations with Regtronic RQ, potable water hot, PT 1000 screw-in sensor	1389052

Replacement high-efficiency pump



Description	Item No.
For Regumaq X-80 primary circuit, Grundfos UPML 25-105 180 PWM-C	1381599

Replacement mains connection cable



Description	Item No.
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172

Replacement signal connecting cable



Description	Item No.
For Grundfos UPM 3/UPML and Wilo-Yonos PARA	1358180

Replacement valve assembly



Description	Item No.
For Regumaq X-80	9010506



Replacement actuator

Description	Item No.
For Regumaq X-80	9010507



Replacement controller

Description	Item No.
For Regumaq X-80, Regtronic RQ	1381597

Regumaq X-30/XZ-30 - Accessories and spare parts



Exchange set

Description	Item No.
For Regumaq X-30/XZ-30, with Regtronic RQ controller, VFD volume flow sensor, controller receptacle made of expanded polypropylene, PT 1000 screw-in sensor and Wilo PARA 15-130/7-50/iPWM2-6 high-efficiency pump for the primary circuit	1389095



Replacement heat exchanger

The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
30 plates up to 55 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351791
30 plates up to 55 kW (primary circuit 80/60°C, secondary circuit 50/70°C), completely made of stainless steel	1381068



Replacement ball valve

Description	Item No.
For Regumaq X-30/XZ-30, potable water circulation, thermometer red	1381088
For Regumaq X-30/XZ-30, primary circuit return, thermometer blue	1381094
For Regumaq X-30/XZ-30, primary circuit supply, with check valve, thermometer red	1381095
For Regumaq X-30/XZ-30, potable water hot, with fill and drain cock, thermometer red	1381096
For Regumaq X-30/XZ-30, potable water cold, thermometer blue	1381097



Replacement check valve

Description	Item No.
For Regumaq XZ-30/X-80 potable water circulation set	1381089



Replacement volume flow sensor

Description	Item No.
For Regumaq X-30/XZ-30 mit Regtronic PQ, pulse water meter 40 pulses/litre	1381093
For Regumaq X-30/XZ-30 with Regtronic RQ, VFD sensor 2-40 l/min	1389901
For Regumaq X-30/XZ-30 with Regtronic RQ, VFD sensor 2-40 l/min, sensor head, without housing	1389902

Replacement temperature sensor



Description	Item No.
For Regumaq X-30/XZ-30 with Regtronic PQ, potable water hot, screw-in sensor PT 1000	1389050
For Regumaq X-30/XZ-30/X-80 fresh water stations with Regtronic RQ, potable water hot, PT 1000 screw-in sensor	1389052

Replacement high-efficiency pump



Description	Item No.
For Regumaq XZ-30 secondary circuit, Wilo ZRS 15/4-3 KU	1381091
For Regumaq X-30/XZ-30 primary circuit and Regusol X secondary circuit, Wilo PARA 15-130/7-50/iPWM2-6	1389010

Replacement controller



Description	Item No.
For Regumaq X-30/XZ-30, Regtronic RQ	1389099

Regumaq XH - Accessories and spare parts

Retrofit set high-efficiency pumps



Description	Item No.
For Regumaq XH, with electronic box, mains cables, flow switch and high-efficiency pump for the primary circuit	1381048

Replacement proportional flow controller



Description	Item No.
For Regumaq XH and Regucor WH/WHS	1381045

Replacement temperature controller



Description	Item No.
For Regumaq XH and Regudis W, for potable water temperature control, with spiral sensor made of stainless steel, 40-70 °C	1343092

Replacement circulation pump



Description	Item No.
For Regumaq XH and Regucor WH/WHS, Wilo-Yonos ST 15/7 130 PWM2 for the primary circuit	1383582

3.2 Stations for hot potable water preparation

Regudis W Dwelling stations for decentralised hot potable water preparation **437**

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Regudis W-HTE GT Electronic dwelling stations..... 444
Regudis W-HTE - Accessories and spare parts..... 445
Regudis W-HTU Hydronic dwelling stations..... 461
Regudis W-HTF Hydronic dwelling stations..... 465
Regudis W-HTU/W-HTF - Accessories and spare parts..... 469



Energy turnaround in five words:

Gas boiler out, Regudis in.

Install in just one hour: This is possible with our ***electronically controlled*** **Regudis W-HTE GT dwelling station.**
With a ***width of 440 mm,*** it fits exactly in the place of the old gas boiler and can be ***connected without a junction.***

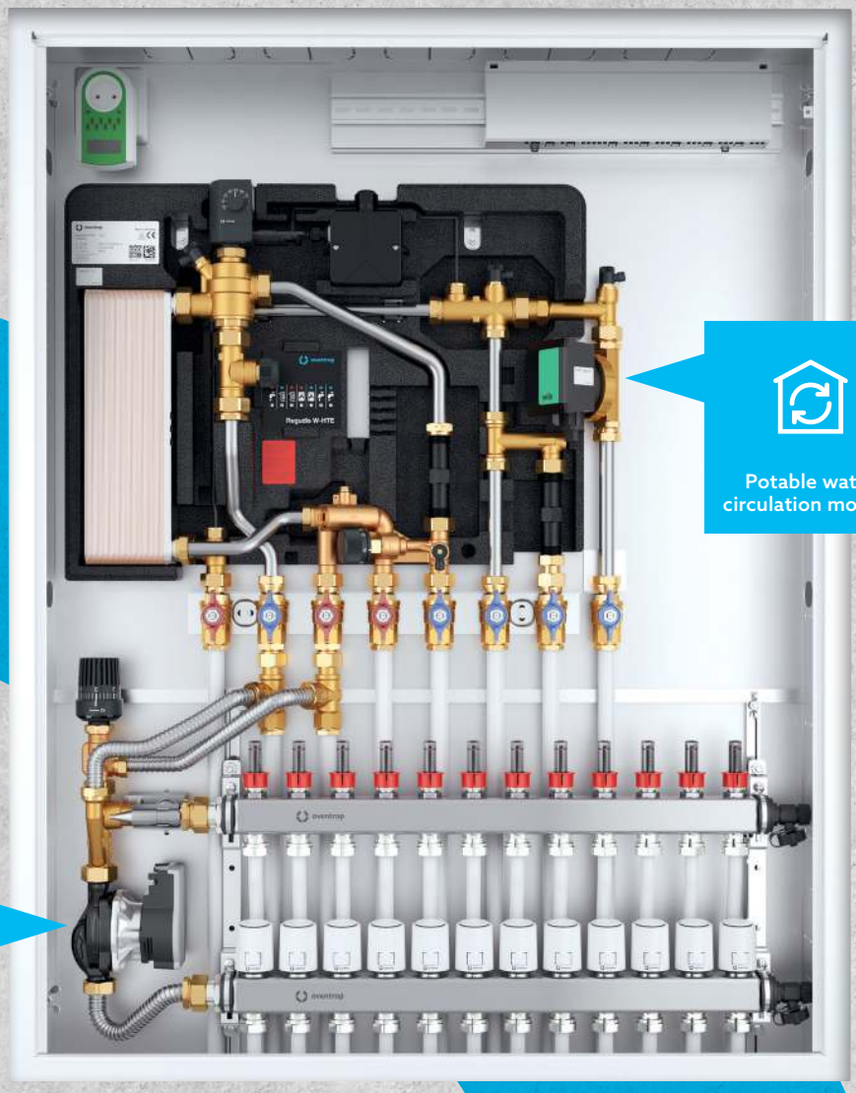
+ Well-known concept of the **Regudis W-HTE**
+ Electronic control for ***higher energy efficiency***
+ Lower investment, operating and maintenance costs
+ Compatible with ***renewable energies***

Find out more about the **Regudis W-HTE GT** dwelling station at

regudis-gt.oventrop.com

oventrop

One station.
Zero complicated.



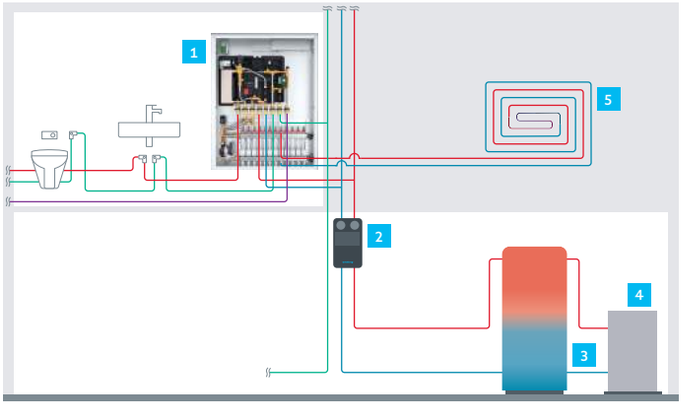
You want to design decentralised hot potable water preparation with our **Regudis W-HTE** system solution? Just contact us. We make it easy for you with our modular services and products:

With the **Regudis W-HTE** station, you can easily solve many of your decentralised hot potable water preparation heating requirements.

Read more at **regudis.oventrop.com**

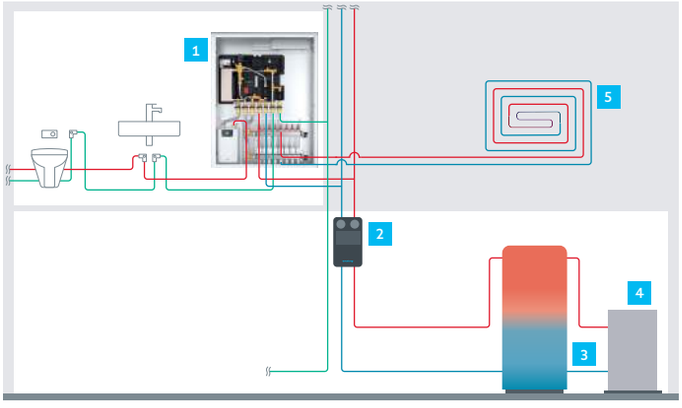
Regudis W dwelling stations

Pioneering system solutions for hygienic hot potable water preparation



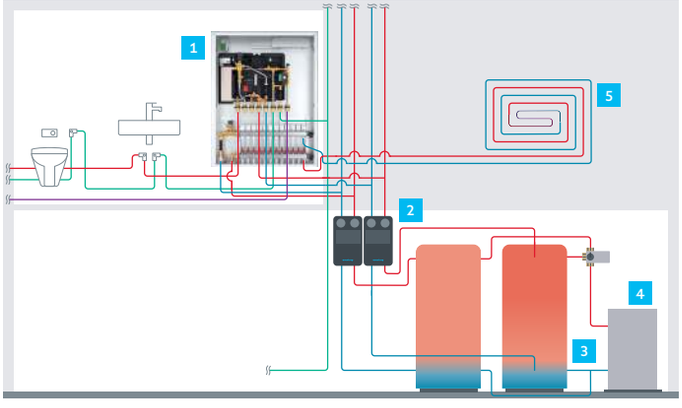
TWO-PIPE SYSTEM

1. **Regudis W-HTE** dwelling station with flow temperature control module and potable water circulation module
2. **Regumat** station for heating circuit connection
3. Buffer storage cylinder
4. Heat generator, e.g. heat pump or local and district heating
5. Surface heating



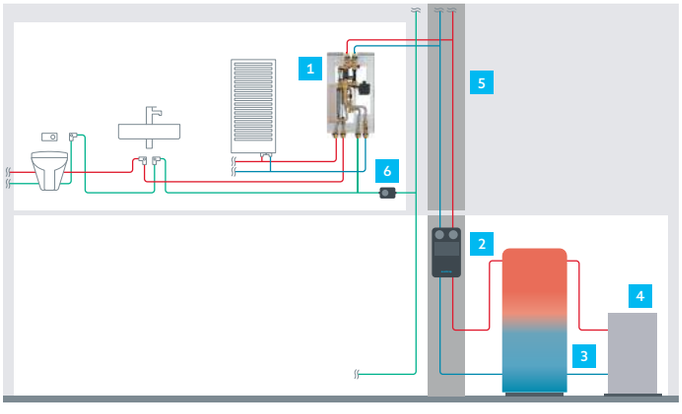
TWO-PIPE SYSTEM WITH INSTANTANEOUS WATER HEATER MODULE

1. **Regudis W-HTE** dwelling station with instantaneous water heater module
2. **Regumat** station for heating circuit connection
3. Buffer storage cylinder
4. Heat generator, e.g. heat pump
5. Surface heating



4-LEITER-SYSTEM

1. **Regudis W-HTE** dwelling station with potable water circulation module and heat meter connection set
2. **Regumat** station for heating circuit connection
3. Buffer storage cylinder
4. Heat generator, e.g. heat pump
5. Surface heating



GAS BOILER REPLACEMENT

1. **Regudis W-HTE GT** dwelling station
2. **Regumat** station for heating circuit connection
3. Buffer storage cylinder
4. Heat generator, e.g. heat pump or local and district heating
5. Primary supply and return pipe in the chimney shaft
6. Water meter

Regudis W-HTE Electronic dwelling stations



2019 2019

For the supply of individual dwellings or commercial units with heating water, as well as with hot and cold potable water. The required heat is provided by a central heat supply. Hot potable water is prepared decentrally via a plate heat exchanger according to the continuous flow principle. When selecting the dwelling station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a control valve with integrated differential pressure and volume flow control, an actuator with integrated potable water temperature control, a zone valve, a volume flow sensor, a temperature sensor, a filter insert, meter spacers, vent valves and drain valves.

The range of functions of the Regudis W-HTE dwelling stations can also be extended in a modular way using extension modules. The Regudis W-HTE GT dwelling stations, on the other hand, are specially designed for the replacement of gas boilers thanks to their slim design and intersection-free connection configuration. The stations are characterized by high draw-off capacities at low excess temperatures and are optimised in terms of pressure loss.

Heating circuit	Unmixed, extendable
Connection	G ¾ union nut, flat sealing
Length	110 mm
Width	600 mm
Height	455 mm
Supply connections	Bottom
Heating circuit separation system	Extendable
Circulation	Extendable
High temperature outlet	Yes
Proportional flow controller	No
Integrated differential pressure control valve	Yes

Setting range	40 up to 70 °C
Spacer for heat meter	Yes
Spacer for water meter	Yes
Filter insert	Yes
Safety valve	No
Zone valve	Yes
Max. operating temperature	90 °C
Max. operating pressure	10 bar
Min. differential pressure supply	150 mbar
Leak tested	Yes

3.2

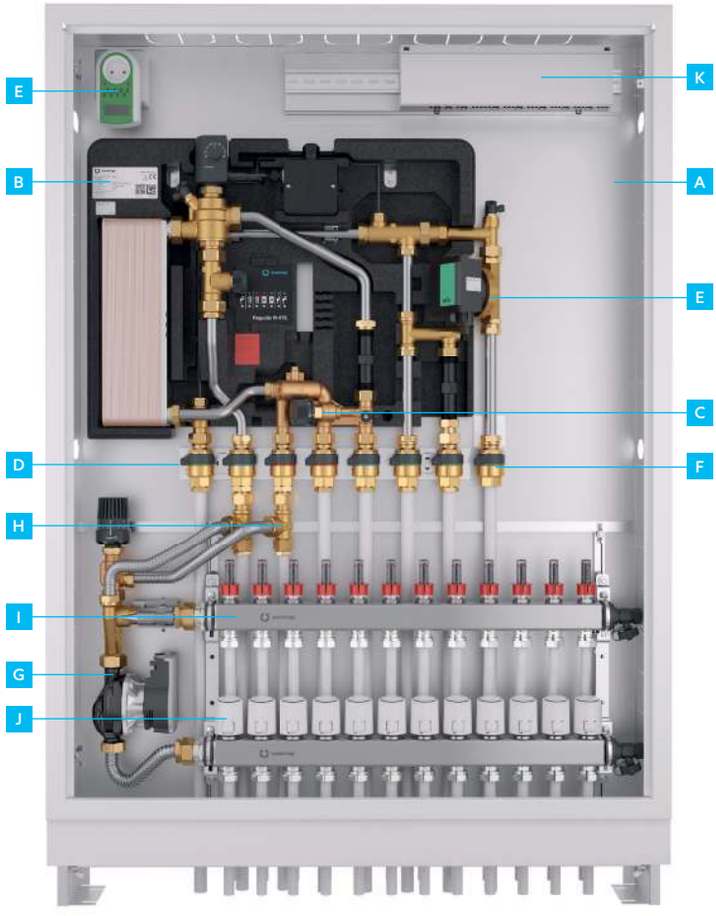


Regudis W-HTE

Heat exchanger, double-walled	No	Certification	SVGW, ACS, WaterMark

Performance range	Nominal draw-off quantity 5 K* (l/min)	Nominal draw-off quantity 15 K* (l/min)	Heat exchanger	Item No.
Performance range 1	12	21	Copper brazed	1344030
Performance range 2	18	25	Copper brazed	1344031
Performance range 3	25	30	Copper brazed	1344032
Performance range 1	12	21	Copper brazed, Sealix	1344050
Performance range 2	18	25	Copper brazed, Sealix	1344051
Performance range 3	25	30	Copper brazed, Sealix	1344052

Nominal draw-off quantity 5 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 5 K (according to SFP test procedure)
Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

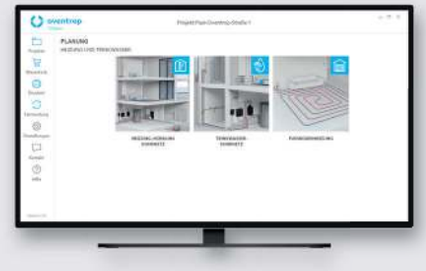


Example Regudis W-HTE		Item no.
A	Cabinet	1344599
B	**Regudis W-HTE**	1344032
C	Derivative temperature control set	1344490
D	Connection and shutoff set	1344680
E	Potable water circulation module with time switch	1344555
F	Connection and shutoff set for potable water circulation module	1344684
G	Flow temperature control module	1344550
H	Heating circuit connection fitting	1344551
I	**Multidis SF** 12-fold Heating circuit manifold	1406362
J	**Aktor T 2P** for individual room temperature control	1012452
K	Connecting bloc for room thermostats and actuators	1400983

Hydronic balancing?
Quickly done with OVplan.

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Download now **free of charge** at www.oventrop.com/qr/ovplan





Regudis W-HTE

With double-walled heat exchanger, KIWA certified.

Heat exchanger, double-walled	Yes	Certification	ACS

Nominal draw-off quantity 5 K* *(l/min)*	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
21	29	Copper brazed	1344070

Nominal draw-off quantity 5 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 5 K (according to SFP test procedure)
Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

Regudis W-HTE GT Electronic dwelling stations



For the supply of individual dwellings or commercial units with heating water, as well as with hot and cold potable water. The required heat is provided by a central heat supply. Hot potable water is prepared decentrally via a plate heat exchanger according to the continuous flow principle. When selecting the dwelling station, it is necessary to consider the water quality of the area of use.

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Heating circuit	Unmixed
Heat exchanger, double-walled	No
Connection size	Rp ¾
Length	150 mm
Width	440 mm
Height	1050 mm
Supply connections	Top
Heating circuit separation system	No
Circulation	No
High temperature outlet	Yes
Proportional flow controller	No

Integrated differential pressure control valve	Yes
Setting range	40 up to 70 °C
Spacer for heat meter	Yes
Spacer for water meter	Yes
Filter insert	Yes
Safety valve	No
Zone valve	Yes
Max. operating temperature	90 °C
Max. operating pressure	10 bar
Min. differential pressure supply	150 mbar
Leak tested	Yes

3.2



Regudis W-HTE GT

Performance range	Nominal draw-off quantity 5 K* *(l/min)*	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 1	12	21	Copper brazed	ACS	1344230
Performance range 2	18	25	Copper brazed	ACS	1344231
Performance range 1	12	21	Copper brazed, Sealix		1344250
Performance range 2	18	25	Copper brazed, Sealix		1344251

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Nominal draw-off quantity 5 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 5 K (according to SFP test procedure)
Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

Regudis W-HTE - Accessories and spare parts



Flow temperature control module

Extension module for Regudis W-HTE.

Description	Item No.
For thermostatic flow temperature control of surface heating circuits, with high-efficiency pump Wilo PARA 15-130/6-43/SC-12, thermostatic temperature controller 25 °C - 50 °C, connection set and safety temperature monitor	1344550
For thermostatic flow temperature control for surface heating circuits, with Reguflow 15-6/130 TS high-efficiency pump, thermostatic temperature controller 25-50 °C, connection set for safety temperature monitor.	1344554



Heating circuit connection fitting

Extension module for Regudis W-HTE.

Description	Item No.
For the flow temperature control module, extension by an unmixed heating circuit, set consisting of 2 T-pieces and sealing washers	1344551



Potable water circulation module

Extension module for Regudis W-HTE.

Description	Certification	Item No.
For time controlled potable water circulation, with digital time switch and Wilo Star-Z NOVA	SVGW	1344555



Instantaneous water heater module

Extension module for Regudis W-HTE.

Description	Item No.
For electronic reheating of the potable water	1344560



Connection and piping set

Extension module for Regudis W-HTE.

Description	Item No.
For Regudis W-HTE instantaneous water heater module, for fixing and piping in the cabinet	1344561



Duo Heating circuit separation module

Extension module for Regudis W-HTE.

Description	Item No.
For system separation of the heating circuit on the dwelling side from the heating circuit on the building side	1344576



Connection module

Extension module for Regudis W-HTE.

Description	Item No.
For Regudis W-HTE, for shutting off all connections and for flexible hydronic connection from above and/or below	1344570



Connection module

Extension module for Regudis W-HTE GT.

Description	Item No.
For Regudis W-HTE GT	1344770 ⁘



Upper thermal insulation shell

Description	Item No.
For Regudis W-HTE, made of expanded polypropylene, anthracite	1344470

⁘ New in the catalogue 2026



Derivative temperature control set

For maintaing the flow temperature in the Regudis W station to ensure a quick supply of hot potable water outside of the heating mode.

Description	Item No.
For Regudis W-HTE, thermostatically adjustable heating bypass, setting range: 25 - 50 °C	1344490



Connection and shutoff set

Description	Item No.
For Regudis W-HTE, for shutting off all connections	1344680
For Regudis W-HTE potable water circulation module, for shutting off the circulation pipe	1344684
For Regudis W-HTE, for shutting off all connections, with flushing function of the supply pipe	1344685



Flushing and mounting bridge

Description	Item No.
For Regudis W-HTE, for flushing the heating system	1344489



Water meter installation set

Description	Item No.
For Regudis W-HTE GT, for subsequent installation of a water meter	1344772



Return temperature limiter set

Description	Item No.
For Regudis W-HTE GT	1344750 ⁘
For Regudis W-HTE, Unofix one pipe heating systems	1344755 ⁘



Automatic air vent

Description	Item No.
For Regudis W-HTE	1344460



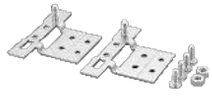
Stainless steel spacer

Description	Item No.
For Regudis W, for replacing the plastic spacers, G ¾ x 110 mm	1349052



Earthing clamp

Description	Item No.
For Regudis W, for equipotential bonding of dwelling stations without cabinet	1341092



Mounting compensation

Description	Item No.
For mounting the Multidis heating circuit manifolds in the cabinet if the piping does not allow it to be mounted at the intended location	1408015



Sealing plug set

Accessory for installation in a four-pipe system.

Description	Item No.
For Regudis W-HTE, 2-fold	1344481



Heat meter connection set

Accessory for installation in a four-pipe system.

Description	Item No.
With Hycocon VTZ DN 20 , angle, ball valves DN 20	1404578
With Hycocon VTZ DN 20 , angle, ball valves DN 25	1404580
with Hycocon DTZ DN 20, angle, ball valves DN 25	1404682
With ball valves DN 20, angle	1405578
With ball valves DN 25, angle	1405580



Electrical connecting block for surface heating

Accessory for installation in a four-pipe system.
When using 24 V, an external power supply of 24 V must be available. Item no. 1153053 can be used as transformer.

Description	Item No.
6 control zones, heating, 24 V / 230 V	1400980

Bonnets and cabinets for hydronic dwelling stations

	Bonnets					
Item no.	**1341072**	**1341095**	**1341195**	**1341197**	**1341295**	**1341296**
1341030/31/32		●				
1341050/51/52		●				
1341130/31/32			●			
1341140/41/42				●		
1341150/51/52			●			
1341160/61/62				●		
1341220						●
1341231/51		●				
1341257/67		●				
1341271/74					●	
1341332						
1341340/41/42						
1341360/61/62						
1341372	●					
1341442/62						
1341542/62						
1341642/62						

Flush mounting				Surface mounting			
1341070	**1341170**	**1341175**	**1341177**	**1341071**	**1341198**	**1341193**	**1341074**
●		● [1]	● [1]		●	●	
●		● [1]	● [1]		●	●	
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1 = Min. required installation depth: 150 mm



Regubox Exclusive surface-mounted bonnet

Description	Item No.
For Regudis W-HTE, with integrated thermal insulation, cannot be used in combination with the potable water circulation module, W 670 x H 630 x D 121 mm	1344595



Revision frame

Description	Item No.
For Regudis W-HTE, standard version, for flush wall mounting, W 742 x H 660 x D 25 mm	1344098



Flush-mounted cabinet

Description	Item No.
For Regudis W-HTE, standard model, W 700 x H 785-900 x D 110-175 mm	1344596
For Regudis W-HTE, long model, for heating circuit manifolds up to 8 circuits, W 700 x H 1298-1413 x D 110-175 mm	1344598
For Regudis W-HTE, long model, for heating circuit manifolds up to 12 circuits (with instantaneous water heater module up to a max. of 8 circuits), W 880 x H 1298-1413 x D 110-175 mm	1344599



Surface-mounted cabinet

Description	Item No.
For Regudis W-HTE, standard model, W 750 x H 745-860 x D 160 mm	1344697
For Regudis W-HTE, long model, for heating circuit manifolds up to 8 circuits, W 750 x H 1326-1441 x D 160 mm	1344698
For Regudis W-HTE, long model, for heating circuit manifolds up to 12 circuits (with instantaneous water heater module up to a max. of 8 circuits), W 880 x H 1326-1441 x D 160 mm	1344699



Cylinder lock

Description	Item No.
With key for flush-mounted cabinets (item no. 1401151-54) and all Regudis W cabinets	1401191

Safety temperature monitor



Electronic control component for the mixed heating circuit.

Description	Item No.
For max. limitation of the heating circuit temperature, 20 °C - 90 °C	1344583



Regtronic RHC Weather-compensated heating circuit controller for mixed/unmixed heating circuit

Compatible with Regtronic KM-IP communication module. Extendable by a maximum of 5 extension modules.

Application	Heating circuit control Cooling circuit control Heat generator activation Solid fuel boiler Service water heating
Operating voltage	230 V AC
Further inputs	Pulse inputs V40 Grundfos Direct Sensor
Sensor inputs	10

Solid-state relays	4
Electromechanical relays	2
Potential-free relays	1
PWM*	4
PWM switchable 0 - 10 V*	Yes
Heat meter	5
Product compatible to	Regtronic EM

Scope of delivery	Item No.
1 x Outdoor sensor 1 x Pipe contact sensor 2 x Storage cylinder sensor	1152085 ⁘



Aktor M Motorised actuator 230 V, connection thread M 30 x 1.5

Electronic control component for the mixed heating circuit.

Description	Item No.
On/off and floating control, 1.5 m cable	1012729



Remote control with room temperature sensor

Electronic control component for the mixed heating circuit.

Description	Item No.
For heating curve and function setting (Party, Heating circuit off), control from the living room, PT 1000 sensor element, surface mounting	1152096

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V

⁘ New in the catalogue 2026

Electrical connecting block for surface heating

Electronic control component for the mixed heating circuit.



Description	Item No.
10 control zones, heating / cooling (change-over), pump and boiler control and integrated time switch, 230 V	1400983

FloorCon Electrical connecting block with automatic hydronic balancing for surface heating and cooling

Electronic control component for the mixed heating circuit.



Description	Item No.
FloorCon F 200, without channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400984
FloorCon F 300, with channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400985

Temperature sensor for FloorCon

Electronic control component for the mixed heating circuit.
Replacement temperature sensor, item no. 1029094 can be used as replacement flow temperature sensor.



Description	Item No.
Return temperature sensor for FloorCon F, 850 mm	1029094 °
Return temperature sensor for FloorCon F, 2100 mm	1029095

Aktor VLT for FloorCon

Electronic control component for the mixed heating circuit.
For adaptive flow temperature control in conjunction with a Regufloor HN24/HW24 control station or the flow temperature control module of the Regudis W-HTE dwelling station. The maximum temperature is adjustable. Can only be used with the FloorCon F 200 or F 300 connecting block.



Description	Item No.
For adaptive flow temperature control	1029085

ClimaCon F 90 for two-pipe applications, heating only/cooling only, follower

Electronic control component for the mixed heating circuit.



Voltage		Suitable for	Item No.
230 V AC	On/off	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009

° Production will be discontinued



Aktor T 2P Thermal actuator

Electronic control component for the mixed heating circuit.

Description	Item No.
On/off control, “normally closed”, 230 V, 2 m cable	1012452



Regtronic RD-W System controller for the integration of the Regudis W dwelling stations into the heat supply

Description	Item No.
For Regudis W, with touch display	1342093



Sensor connection set

Accessory for Regtronic RD-W system controller.

Description	Item No.
For connecting differential pressure and temperature sensors to the pipework	1357291
For connecting temperature sensors to the pipework	1357292



Regumat Tailpipe set

Accessory for Regtronic RD-W system controller.

Description	Item No.
Coupling G 2 union nut, 2-fold, for connection to Regumat DN 32	1352088
Coupling R 2 external thread x G 2 union nut, 2-fold, for connection to Regumat DN 40/50	1352089



Outside temperature sensor

Accessory for Regtronic RD-W system controller.

Description	Item No.
For outside temperature measurement, PT 1000 sensor element, splash-proof housing, surface mounting	1152099

Sensor LW TH Temperature sensor



Accessory for Regtronic RD-W system controller.

Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093
For temperature measurement and detection at collectors, PT 1000 sensor element, continuous temperature range up to 180 °C, length 2 m	1369094
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095

Replacement heat exchanger



For Regudis W-HTE.
The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
Performance range 1, copper brazed	1344083
Performance range 2, copper brazed	1344084
Performance range 3, copper brazed	1344085
Performance range 1, copper brazed with Sealix® protective layer	1344093
Performance range 2, copper brazed with Sealix® protective layer	1344094
Performance range 3, copper brazed with Sealix® protective layer	1344095

3.2

Replacement volume flow sensor



Description	Item No.
For Regudis W-HTE, housing with slide-in turbine and hall effect sensor	1344693

Replacement distributor



Description	Item No.
For Regudis W-HTE	1344486
For Regudis W-HTE GT	1344786 ⁘

Replacement filter insert



Description	Item No.
For Regudis W-HTE	1344495
For Regudis W-HTU/W-HTF/W-HTE GT, 2-fold	1349098

⁘ New in the catalogue 2026



Replacement drain valve

Description	Item No.
For Regudis W-HTU/W-HTF/W-HTE GT	1349099



Replacement temperature sensor potable water

Description	Item No.
For Regudis W-HTE, with cable and plug	1344494



Replacement control valve

Description	Item No.
For Regudis W-HTE, with integrated differential pressure and volume flow control	1344492



Replacement stuffing box screw

Description	Item No.
For Cocon Q pressure independent control valve and Regudis W-HTE dwelling station	9010491



Replacement actuator

Description	Item No.
For Regudis W-HTE, with integrated potable water temperature control	1344491



Replacement sealing ring

Description	Item No.
For Regumaq X-25/X-45 and Regudis W-HTE, 5-fold, for junction G ¾	1344497
For Regumaq X-25/X-45 and Regudis W-HTE, 5-fold, for junction G 1	1344498

Replacement power supply unit



Description	Item No.
For Regudis W-HTE	1344496

Replacement temperature controller



Description	Item No.
For Regudis W, for heating circuit control, with contact sensor, 25-50 °C	1344582

Replacement reversed angle valve body



Description	Item No.
For Regudis W-HTF with mixed heating circuit (incl. flanged pipes) and Regudis W-HTE flow temperature control module	9010316

Replacement elbow



Description	Item No.
For Regudis W-HTE flow temperature control module	1344487

Replacement connection group



Description	Item No.
For Regudis W-HTE potable water circulation module	1344488

Replacement high-effiency pump



Description	Item No.
For Regudis W-HTE potable water circulation module, Wilo Star-Z NOVA	1344580
For Regudis W-HTE flow temperature control module and Regudis W-HTF with mixed heating cicuit, Wilo PARA 15-130/6-43/ SC-12	1344581

Replacement mains connection cable



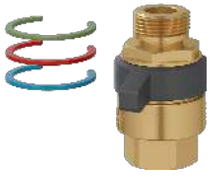
Description	Item No.
For Grundfos UPM 3 and Reguflow 15-6/130 TS, cable length 2 m	1358149
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172

Replacement ball valve



Description	Item No.
For Regudis W ball valve connection sets, red handle	1341980
For Regudis W ball valve connections sets, blue handle	1341981

Replacement valve



Description	Item No.
For Regudis W-HTE connection and shutoff sets	1344780

Replacement surface-mounted bonnet



Description	Item No.
For Regudis W-HTE GT	1344799 ⁘

Replacement set for flush-mounted cabinet



Description	Item No.
For item no. 1344596, with door, frame and screed cover	1344590
For item no. 1344598, with door, frame and screed cover	1344591
For item no. 1344599, with door, frame and screed cover	1344592



Replacement set for surface-mounted cabinet

Description	Item No.
For item no. 1344697, with door and screed cover	1344690
For item no. 1344698, with door and screed cover	1344691
For item no. 1344699, with door and screed cover	1344692



Replacement mounting set for flush/surface-mounted cabinet

Description	Item No.
Including equipotential bonding, screws, spacers for manifolds	1401197

Regudis W-HTU Hydronic dwelling stations



For the supply of individual dwellings or commercial units with heating water, as well as with hot and cold potable water. The required heat is provided by a central heat supply. Hot potable water is prepared decentrally via a plate heat exchanger according to the continuous flow principle. When selecting the dwelling station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a proportional flow controller for hydronic control of hot potable water preparation, a thermostatic temperature controller, filter inserts, a spacer for a heat meter, and, depending on the version, a spacer for a water meter, a differential pressure control valve, vent valves and drain valves. Depending on the version, a zone valve for heating circuit control is included.

The Regudis W-HTU dwelling stations are designed for unmixed heating circuits. They are characterized by high-quality materials and are completely mounted on a base plate. The stations are tested for tightness and function.

Connection	G ¾ union nut, flat sealing
Length	150 mm
Height	630 mm
Circulation	No
Proportional flow controller	Yes
Integrated differential pressure control valve	Yes

Setting range	40 up to 70 °C
Spacer for heat meter	Yes
Filter insert	Yes
Max. operating temperature	90 °C
Min. differential pressure supply	300 mbar
Leak tested	Yes



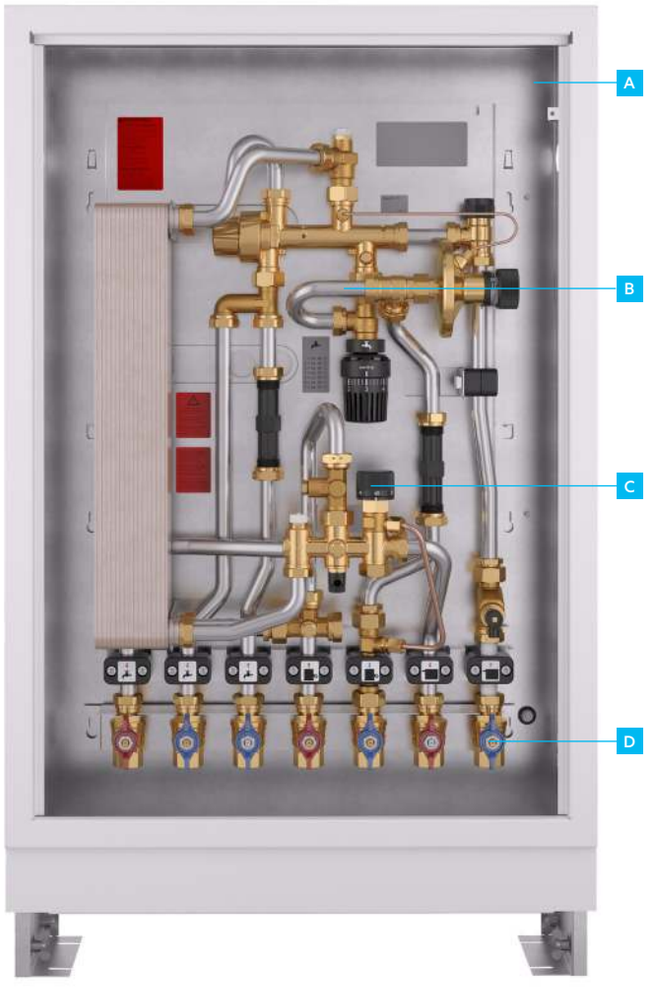
Regudis W-HTU

Heating circuit	Unmixed
Heat exchanger, double-walled	No
Width	476 mm
Supply connections	Bottom
Heating circuit separation system	No

High temperature outlet	Yes
Spacer for water meter	Yes
Safety valve	No
Zone valve	Yes
Max. operating pressure	10 bar

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 1	12	Copper brazed	SVGW, WRAS, ACS, WaterMark	1341030
Performance range 2	15	Copper brazed	SVGW, WRAS, ACS, WaterMark	1341031
Performance range 3	17	Copper brazed	SVGW, WRAS, ACS, WaterMark	1341032
Performance range 1	12	Nickel brazed	SVGW, WRAS, ACS	1341050
Performance range 2	15	Nickel brazed	SVGW, WRAS, ACS	1341051
Performance range 3	17	Nickel brazed	SVGW, WRAS, ACS	1341052

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)



Example Regudis W-HTU		Item no.
A	Flush-mounted cabinet – narrow model	1341070
B	**Regudis W-HTU**	1341032
C	Derivative temperature control set	1341088
D	Ball valve connection set	1341080



Regudis W-HTU without cold water outlet and spacer for water meter

Heating circuit	Unmixed	High temperature outlet	Yes
Heat exchanger, double-walled	No	Spacer for water meter	No
Width	476 mm	Safety valve	No
Supply connections	Bottom	Zone valve	Yes
Heating circuit separation system	No	Max. operating pressure	10 bar

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 2	15	Copper brazed	SVGW, ACS	1341231
Performance range 2	15	Nickel brazed	SVGW	1341251

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)



Regudis W-HTU without cold water outlet and spacer for water meter

With double-walled heat exchanger, KIWA certified.

Heating circuit	Unmixed	Spacer for water meter	No
Heat exchanger, double-walled	Yes	Safety valve	No
Width	476 mm	Zone valve	Yes
Supply connections	Bottom	Max. operating pressure	10 bar
Heating circuit separation system	No	Certification	SVGW
High temperature outlet	Yes		

Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
8	Copper brazed	1341220



Regudis W-HTO without cold water outlet and spacer for water meter

Supply connections from the top.
With strainer in the potable water inlet.
Without cold water outlet dwelling and spacer for water meter.
With six ball valves.

Heating circuit	Unmixed	High temperature outlet	Yes
Heat exchanger, double-walled	No	Spacer for water meter	No
Width	476 mm	Safety valve	No
Supply connections	Top	Zone valve	Yes
Heating circuit separation system	No	Max. operating pressure	10 bar

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 2	15	Nickel brazed	SVGW	1341271
Performance range 2	15	Copper brazed	SVGW, ACS	1341274



Regudis W-TU

For hot potable water preparation.
Without heating circuit.
Derivative temperature control set pre-assembled.

Heat exchanger, double-walled	No	Spacer for water meter	Yes
Width	476 mm	Safety valve	No
Supply connections	Bottom	Zone valve	No
Heating circuit separation system	No	Max. operating pressure	10 bar
High temperature outlet	No		

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 3	17	Copper brazed	SVGW, ACS, WaterMark	1341257
Performance range 3	17	Nickel brazed	SVGW	1341267

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)



Regudis W-HTU Duo with heating circuit separation system

Heating circuit	Mixed	High temperature outlet	Yes
Setting range heating circuit	40 up to 70 °C	Spacer for water meter	Yes
Heat exchanger, double-walled	No	Safety valve	Yes
Width	630 mm	Zone valve	Yes
Supply connections	Bottom	Max. operating pressure	16 bar
Heating circuit separation system	Yes	Certification	WRAS, ACS

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
Performance range 3	17	Copper brazed	1341332

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

Regudis W-HTF Hydronic dwelling stations



For the supply of individual dwellings or commercial units with heating water, as well as with hot and cold potable water. The required heat is provided by a central heat supply. Hot potable water is prepared decentrally via a plate heat exchanger according to the continuous flow principle. When selecting the dwelling station, it is necessary to consider the water quality of the area of use.

The stations consist of a plate heat exchanger, a proportional flow controller for hydronic control of hot potable water preparation, a thermostatic temperature controller, filter inserts, spacers for heat and water meter, a zone valve for heating circuit control, a differential pressure control valve, vent valves and drain valves. The version with mixed heating circuit also features a thermostatic flow temperature control with integrated high-efficiency pump for the low temperature range.

The Regudis W-HTF dwelling stations are optionally available for unmixed or mixed heating circuits and are ideally suited for installation in lightweight partition walls due to their low installation depth. They are characterized by high-quality materials and are completely mounted on a base plate. The stations are tested for tightness and function.

Heat exchanger, double-walled	No
Connection	G ¾ union nut, flat sealing
Supply connections	Bottom
Heating circuit separation system	No
Proportional flow controller	Yes
Integrated differential pressure control valve	Yes
Setting range	40 up to 70 °C

Spacer for heat meter	Yes
Spacer for water meter	Yes
Filter insert	Yes
Safety valve	No
Zone valve	Yes
Max. operating temperature	90 °C
Max. operating pressure	10 bar
Min. differential pressure supply	300 mbar
Leak tested	Yes

3.2



Regudis W-HTF with unmixed heating circuit

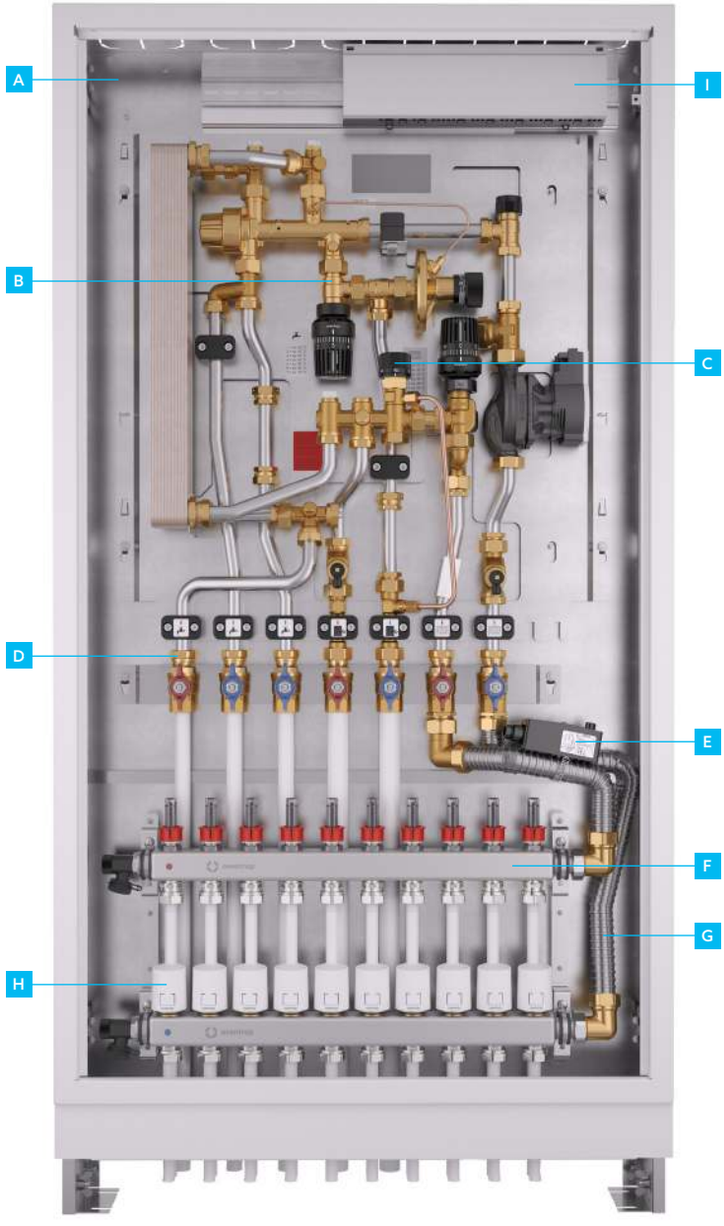
Heating circuit	Unmixed
Length	110 mm
Width	565 mm

Height	655 mm
Circulation	No
High temperature outlet	Yes

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 1	12	Copper brazed	WaterMark	1341130 °
Performance range 2	15	Copper brazed	WaterMark	1341131 °
Performance range 3	17	Copper brazed	WaterMark	1341132
Performance range 1	12	Nickel brazed		1341150 °
Performance range 2	15	Nickel brazed		1341151 °
Performance range 3	17	Nickel brazed		1341152

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

° Production will be discontinued



	Example Regudis W-HTF	Item no.
A	Cabinet – long model	1341175
B	**Regudis W-HTF**	1341140
C	Derivative temperature control set	1341188
D	Ball valve connection set	1341180
E	Safety temperature monitor	1344583
F	**Multidis SF** 10-fold Heating circuit distributor/collector	1406360
G	Connection set for **Multidis SF** heating circuit distributor/collector	1341187
H	**Aktor T 2P** Electrothermal actuator	1012452
I	Connecting block with pump control	1400983



Regudis W-HTF with mixed heating circuit

Heating circuit	Mixed	Height	655 mm
Setting range heating circuit	25 up to 50 °C	Circulation	No
Length	110 mm	High temperature outlet	No
Width	630 mm		

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Certification	Item No.
Performance range 1	12	Copper brazed	ACS, WaterMark	1341140 °
Performance range 2	15	Copper brazed	ACS, WaterMark	1341141 °
Performance range 3	17	Copper brazed	ACS, WaterMark	1341142
Performance range 1	12	Nickel brazed	ACS	1341160 °
Performance range 2	15	Nickel brazed	ACS	1341161 °
Performance range 3	17	Nickel brazed	ACS	1341162



Regudis W-HTF with mixed heating circuit and high temperature outlet

Heating circuit	Mixed	Height	655 mm
Setting range heating circuit	25 up to 50 °C	Circulation	No
Length	110 mm	High temperature outlet	Yes
Width	630 mm	Certification	ACS

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
Performance range 1	12	Copper brazed	1341340 °
Performance range 2	15	Copper brazed	1341341 °
Performance range 3	17	Copper brazed	1341342
Performance range 1	12	Nickel brazed	1341360 °
Performance range 2	15	Nickel brazed	1341361 °
Performance range 3	17	Nickel brazed	1341362



Regudis W-HTF with unmixed heating circuit and circulation pipe

Heating circuit	Unmixed	Height	655 mm
Length	110 mm	Circulation	Yes
Width	565 mm	High temperature outlet	Yes

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
Performance range 3	17	Copper brazed	1341642
Performance range 3	17	Nickel brazed	1341662

Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

° Production will be discontinued

Regudis W-HTF with mixed heating circuit and circulation pipe



Heating circuit	Mixed	Height	110 mm
Setting range heating circuit	25 up to 50 °C	Circulation	Yes
Length	655 mm	High temperature outlet	No
Width	630 mm		

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
Performance range 3	17	Copper brazed	1341442
Performance range 3	17	Nickel brazed	1341462

Regudis W-HTF with mixed heating circuit, high temperature outlet and circulation pipe



Heating circuit	Mixed	Height	655 mm
Setting range heating circuit	25 up to 50 °C	Circulation	Yes
Length	110 mm	High temperature outlet	Yes
Width	630 mm		

Performance range	Nominal draw-off quantity 15 K* *(l/min)*	Heat exchanger	Item No.
Performance range 3	17	Copper brazed	1341542
Performance range 3	17	Nickel brazed	1341562

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Nominal draw-off quantity 15 K = Nominal draw-off quantity heating of potable water 10 °C/50 °C with ΔT 15 K (according to SFP test procedure)

Regudis W-HTU/W-HTF - Accessories and spare parts



Connection set

Description	Item No.
For Regudis W-HTF, for connecting Multidis SF heating circuit manifolds	1341187



T-piece

Description	Item No.
For Regudis W-HTF, for connecting two Multidis SF heating circuit manifolds to one connection set	1685121



Derivative temperature control set

For maintaing the flow temperature in the Regudis W station to ensure a quick supply of hot potable water outside of the heating mode.

Description	Item No.
For Regudis W-HTO Duo, ready for installation	1341087
For Regudis W-HTU/W-TU, ready for installation	1341088
For Regudis W-HTO, ready for installation	1341089
For Regudis W-HTF, ready for installation	1341188



Return temperature limiter set

Description	Item No.
For Regudis W-HTU/W-HTO, for limiting the heating circuit return temperature, setting range 0 °C - 40 °C	1341091



Stainless steel spacer

Description	Item No.
For Regudis W, for replacing the plastic spacers, G ¾ x 110 mm	1349052

Ball valve connection set



Description	Item No.
For Regudis W-HTU, for shutting off all connections	1341080
For Regudis W-HTU, for shutting off all connections, with flushing function of the supply pipe	1341082
For Regudis W-TU, for shutting off all connections, without heating circuit connection dwelling	1341083
For Regudis W-HTU Basic, for shutting off all connections, without cold water outlet dwelling	1341084
For Regudis W-HTF, for shutting off all connections	1341180
For Regudis W-HTF, for shutting off the high temperature outlet	1341183
For Regudis W-HTF, for shutting off the circulation pipe	1341184
For Regudis W-HTF, for shutting off all connections, with flushing function of the supply pipe	1341185

Flushing and mounting bridge



Description	Item No.
For Regudis W-HTF, for flushing the heating system	1341189

Plug



Description	Item No.
For Regudis W, for temperature sensor, G ½ external thread x M 10 x 1.0 internal thread, Ø 5.6	1349051
For Regudis W-HTF with high temperature outlet, for temperature sensor, G ¼ external thread x M 10 x 1,0 internal thread, Ø 5.6	1349054

Flow limiter



Description	Item No.
Draw-off quantity limitation 12 l/min	1349980
Draw-off quantity limitation 15 l/min	1349981
Draw-off quantity limitation 17 l/min	1349982

Accessory set for equipotential bonding



Fixing material for connection to the base plate of the dwelling station.

Description	Item No.
For Regudis W-HTU/W-HTF	1349983

Bonnets and cabinets for hydronic dwelling stations

	Bonnets					
Item no.	**1341072**	**1341095**	**1341195**	**1341197**	**1341295**	**1341296**
1341030/31/32		●				
1341050/51/52		●				
1341130/31/32			●			
1341140/41/42				●		
1341150/51/52			●			
1341160/61/62				●		
1341220						●
1341231/51		●				
1341257/67		●				
1341271/74					●	
1341332						
1341340/41/42						
1341360/61/62						
1341372	●					
1341442/62						
1341542/62						
1341642/62						

Flush mounting				Surface mounting			
1341070	**1341170**	**1341175**	**1341177**	**1341071**	**1341198**	**1341193**	**1341074**
●		● [1]	● [1]		●	●	
●		● [1]	● [1]		●	●	
	●	●	●	●	●	●	
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1 = Min. required installation depth: 150 mm



Surface-mounted bonnet

Description	Item No.
For Regudis W, wall-hung, pipe feed-through from above and below, W 750 x H 1000 x D 175 mm	1341072
For Regudis W, standard model, W 496 x H 800 x D 155 mm	1341095
For Regudis W, standard model, with door, W 590 x H 830 x D 120 mm	1341195
For Regudis W, wide model, W 645 x H 800 x D 120 mm	1341197
For Regudis W, long model, pipe feed-through from above and below, W 496 x H 1100 x D 160 mm	1341295
For Regudis W-HTU with double-walled heat exchanger, standard model, W 496 x H 800 x D 185 mm	1341296



Flush-mounted cabinet

Description	Item No.
For Regudis W, narrow model, W 560 x H 870-1075 x D 150-215 mm	1341070
For Regudis W, wide model, W 700 x H 980-1105 x D 110-180 mm	1341170
For Regudis W, long model, for heating circuit manifolds up to 10 circuits, W 700 x H 1440-1565 x D 110-180 mm	1341175
For Regudis W, long model, for heating circuit manifolds up to 12 circuits, W 880 x H 1440-1565 x D 110-180 mm	1341177



Surface-mounted cabinet

Description	Item No.
For Regudis W, standard model, W 700 x H 980-1105 x D 160 mm	1341071
For Regudis W, long model, for heating circuit manifolds up to 10 circuits, pipe feed-through from above and below, W 750 x H 1523-1648 x D 175 mm	1341074
For Regudis W-HTE, long model, for heating circuit manifolds up to 12 circuits, W 880 x H 1440-1565 x D 160 mm	1341193
For Regudis W, long model, for heating circuit manifolds up to 10 circuits, W 700 x H 1440-1565 x D 160 mm	1341198



Cylinder lock

Description	Item No.
With key for flush-mounted cabinets (item no. 1401151-54) and all Regudis W cabinets	1401191



Replacement heat exchanger

For Regudis W-HTU.
The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
Performance range 1, copper brazed	1341280
Performance range 2, copper brazed	1341281
Performance range 3, copper brazed	1341282
Performance range 1, nickel brazed	1341290
Performance range 2, nickel brazed	1341291
Performance range 3, nickel brazed	1341292
Copper brazed, double-walled	9010493



Replacement heat exchanger

For Regudis W-HTF.
The possibility of using copper brazed plate heat exchangers must be checked.
Information on this is available at www.oventrop.com/to/trinkwasseranforderung.

Description	Item No.
Perfomance range 1, copper brazed	1341283
Performance range 2, copper brazed	1341284
Performance range 3, copper brazed	1341282
Performance range 1, nickel brazed	1341383
Performance range 2, nickel brazed	1341384
Performance range 3, nickel brazed	1341292

Replacement proportional flow controller



Description	Item No.
For Regudis W, except for Regudis W-TU/GSWB and Regudis W with potable water circulation (manufactured until 2016)	1343050
For Regudis W with potable water circulation (manufactured until 2016)	9010320
For Regudis W-TU/GSWB	9010494

Replacement differential pressure control valve



Description	Item No.
For Regudis W-HTF	1343052
For Regudis W-HTU	1343053

Replacement reversed angle valve body



Description	Item No.
For Regudis W-HTF with mixed heating circuit (incl. flanged pipes) and Regudis W-HTE flow temperature control module	9010316

Replacement temperature controller



Description	Item No.
For Regumaq XH and Regudis W, for potable water temperature control, with spiral sensor made of stainless steel, 40-70 °C	1343092
For Regudis W, for heating circuit control, with contact sensor, 25-50 °C	1344582

Replacement valve insert



Description	Item No.
For hot potable water preparation Regudis W-HTU/W-HTF	1343051

Replacement filter insert



Description	Item No.
For Regudis W-HTU/W-HTF/W-HTE GT, 2-fold	1349098

Replacement drain valve



Description	Item No.
For Regudis W-HTU/W-HTF/W-HTE GT	1349099

Replacement angle valve



Description	Item No.
For Regudis W-HTF with potable water circulation	9010498



Replacement high-efficiency pump

Description	Item No.
For Regudis W-HTE flow temperature control module and Regudis W-HTF with mixed heating cicuit, Wilo PARA 15-130/6-43/ SC-12	1344581
For Regudis W-HTF with potable water circulation, Wilo-Star-Z NOVA	1349096



Replacement mains connection cable

Description	Item No.
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172



Replacement ball valve

Description	Item No.
For Regudis W ball valve connection sets, red handle	1341980
For Regudis W ball valve connections sets, blue handle	1341981



Replacement set for flush-mounted cabinet

Description	Item No.
For item no. 1341175, door	9011175
For item no. 1341175, blind frame	9011176



Replacement mounting set for flush/surface-mounted cabinet

Description	Item No.
Including equipotential bonding, screws, spacers for manifolds	1401197

3.3 Local and district heating stations

Regudis H Transmission stations for local and district heating networks

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3.3 Local and district heating stations

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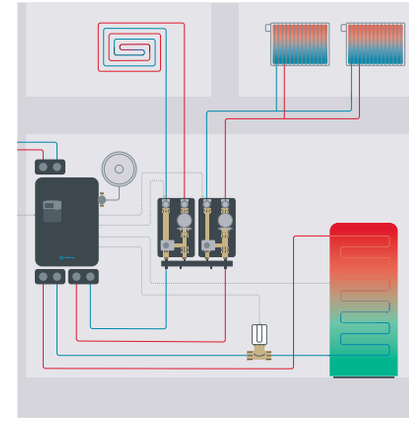
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Regudis H Transmission stations
Compact and efficient control



STATION WITHOUT MODULES FOR OBJECT-SPECIFIC SYSTEM INSTALLATION ON SITE

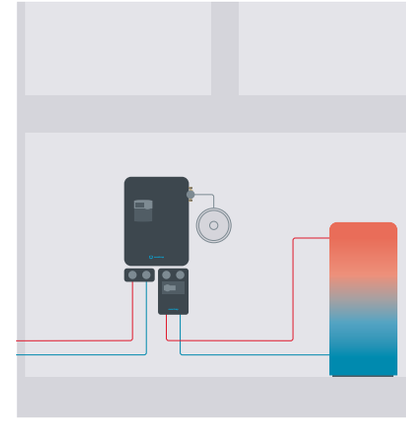
Regudis	Size	Item no.
Regudis H	DN 20	1391026
	DN 25	1391036





COMPACT STATION WITH MODULE FOR BUFFER STORAGE CYLINDER LOADING

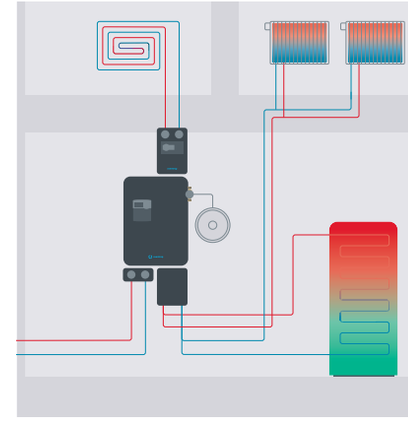
Regudis	Size	Item no.
Regudis H-H	DN 20	1391021
	DN 25	1391031





READY-TO-INSTALL STATIONS WITH MODULES FOR DETACHED AND SEMI-DETACHED HOUSES

Regudis	Size	Item no.
Regudis H-HT	DN 20	1391027
	DN 25	1391037
Regudis H-MHT	DN 20	1393027
	DN 25	1393037



Regudis H Transmission stations



Regudis H transmission stations with plate heat exchanger for direct and indirect heat transmission from a local or district heating network to the potable water and heating system of detached and semi-detached houses. The stations are equipped with an electronic controller for the weather-compensated control of the flow temperature of the heating system and simultaneous limitation of the return temperature to the heat network.

The stations consist of a plate heat exchanger, an electronic controller, a pressure independent control valve with actuator, strainers with fill and drain cock, spacers for heat meters, a safety group with pressure gauge, ball valves and a thermal insulation.

The compact stations are available in two performance classes and different connection configurations. They are characterized by a simple hydronic connection to the local and district heating network. The station is delivered with factory-mounted function modules, completely parameterized and tested.

Heat exchanger	Copper brazed
Thermal insulation	Yes
Pressure gauge	Yes
Safety valve	Yes
Safety group	Yes
Spacer for heat meter	Yes
Strainer	Yes
Venting	Yes
Draining	Yes

Ball valve	Yes
Pressure independent control valve	Yes
Electronic controller	Yes
Actuator	Yes
Temperature sensor	PT 1000
Min. operating pressure	1 bar
Max. operating pressure	10 bar
Max. operating temperature	95 °C



Regudis H DN 20

With Regudis H transmission station and ball valve connection set.

Connection spacer	G ¾ external thread
Length spacer	110
Connection heating circuit	G ¾ external thread
Connection heating network	G 1 external thread
Length	295 mm

Width	545 mm
Height	775 mm
Max. primary volume flow	1,300 l/h
Max. primary differential pressure	4 bar

Nominal size	Item No.
DN 20	1391026



Regudis H DN 25

With Regudis H transmission station and ball valve connection set.

Connection spacer	G 1 external thread
Length spacer	130
Connection heating circuit	G 1 ¼ external thread
Connection heating network	G 1 ½ external thread
Length	330 mm

Width	630 mm
Height	940 mm
Max. primary volume flow	4,800 l/h
Max. primary differential pressure	6 bar

Nominal size	Item No.
DN 25	1391036



Regudis H-H DN 20

For the connection of an unmixed heating circuit.
With Regudis H transmission station, ball valve connection set, Regumat S and connection set.

Connection spacer	G ¾ external thread	Width	545 mm
Length spacer	110	Height	1220 mm
Connection heating circuit	G ¾ external thread	Max. primary volume flow	1,300 l/h
Connection heating network	G 1 external thread	Max. primary differential pressure	4 bar
Length	295 mm		

Nominal size	Item No.
DN 20	1391021



Regudis H-H DN 25

For the connection of an unmixed heating circuit.
With Regudis H transmission station, ball valve connection set, Regumat S and connection set.

Connection spacer	G 1 external thread	Width	630 mm
Length spacer	130	Height	1365 mm
Connection heating circuit	G 1 ¼ external thread	Max. primary volume flow	4,800 l/h
Connection heating network	G 1 ½ external thread	Max. primary differential pressure	6 bar
Length	330 mm		

Nominal size	Item No.
DN 25	1391031



Regudis H-HT DN 20

For the connection of an unmixed heating circuit and a potable water storage cylinder.
With Regudis H transmission station, ball valve connection set and HT changeover module.

Connection spacer	G ¾ external thread	Length	295 mm
Length spacer	110	Width	545 mm
Connection heating circuit	G ¾ external thread	Height	1074 mm
Connection heating network	G 1 external thread	Max. primary volume flow	1,300 l/h
Connection HT changeover module	G 1 ½ external thread	Max. primary differential pressure	4 bar

Nominal size	Item No.
DN 20	1391027



Regudis H-HT DN 25

For the connection of an unmixed heating circuit and a potable water storage cylinder.
With Regudis H transmission station, ball valve connection set and HT changeover module.

Connection spacer	G 1 external thread	Length	330 mm
Length spacer	130	Width	630 mm
Connection heating circuit	G 1 ¼ external thread	Height	1182 mm
Connection heating network	G 1 ½ external thread	Max. primary volume flow	4,800 l/h
Connection HT changeover module	G 1 ½ external thread	Max. primary differential pressure	6 bar

Nominal size	Item No.
DN 25	1391037



Regudis H-MHT DN 20

For the connection of a mixed and an unmixed heating circuit and a potable water storage cylinder.
With Regudis H transmission station, ball valve connection set, HT changeover module, Regumat M3, safety temperature monitor and connection set.

Connection spacer	G ¾ external thread	Length	295 mm
Length spacer	110	Width	545 mm
Connection heating circuit	G ¾ external thread	Height	1613 mm
Connection heating network	G 1 external thread	Max. primary volume flow	1,300 l/h
Connection HT changeover module	G 1 ½ external thread	Max. primary differential pressure	4 bar

Nominal size	Item No.
DN 20	1393027



Regudis H-MHT DN 25

For the connection of a mixed and an unmixed heating circuit and a potable water storage cylinder.
With Regudis H transmission station, ball valve connection set, HT changeover module, Regumat M3, safety temperature monitor and connection set.

Connection spacer	G 1 external thread	Length	330 mm
Length spacer	130	Width	630 mm
Connection heating circuit	G 1 ¼ external thread	Height	1706 mm
Connection heating network	G 1 ½ external thread	Max. primary volume flow	4,800 l/h
Connection HT changeover module	G 1 ½ external thread	Max. primary differential pressure	6 bar

Nominal size	Item No.
DN 25	1393037

Regudis H - Accessories and spare parts



Diaphragm expansion tank

Feet welded on.

Description	Item No.
Nominal volume 35 l, R ¾ external thread, inlet pressure 1.5 bar	1399091
Nominal volume 50 l, R ¾ external thread, inlet pressure 1.5 bar	1399092



Regtronic EM Extension module for the control of further mixed/ unmixed heating circuits

For extening the Regtronic controller by 6 sensor inputs and 5 relay outputs.

Operating voltage	230 V AC
Sensor inputs	6
Solid-state relays	4
Potential-free relays	1

Product compatible to
Regtronic RH
Regronic RHC
Regtronic RM
Regtronic RS

Scope of delivery	Item No.
1 x Pipe contact sensor	1152098



Replacement actuator

Description	Item No.
For Regudis H, motorised 24 V DC, 0 - 10 V, NC, incl. connecting cable with JST plug and SD card with latest software version Regtronic RH HT	1012754 ∷



Replacement changeover valve

Width	85 mm
Height	97 mm

Description	Item No.
For Regudis H and Regusol X-Duo	9010492



Replacement high-efficiency pump

Width	93 mm
Height	125 mm

Description	Item No.
For Regudis H, Wilo PARA 25-180/6-43/SC	9010497

∷ New in the catalogue 2026



Replacement controller

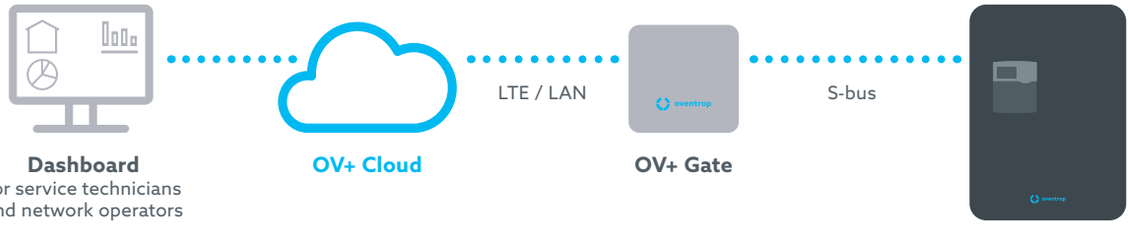
Description	Item No.
For Regudis H, Regtronic RH HT, cabled	1152070

OV+ networking of the transmission stations



Our OV+ products enable the modular extension and digitalisation of our Regudis H stations. This makes it much easier for installation companies to remotely monitor the networked local and district heating systems. District heating operators can even efficiently control entire heating networks. The OV+ Gates enable the convenient reading and control of all control parameters with the OV+ Cloud.

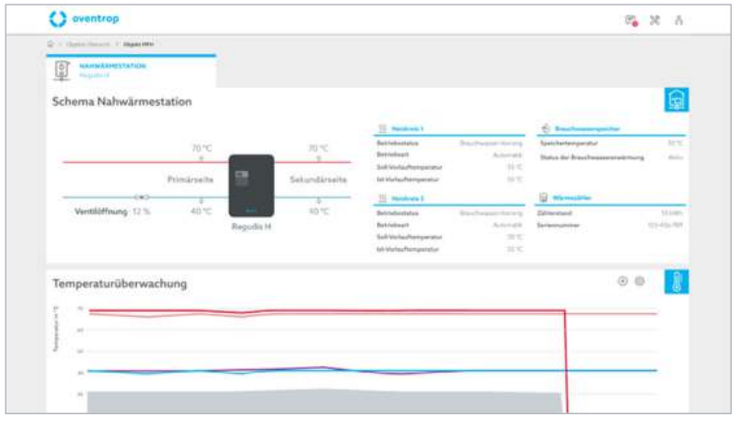
- Monitoring the flow and return temperatures for optimal efficiency of the heating network and maximum customer comfort
- Fast adjustment of the control parameters when efficiency or comfort, decrease e.g. by regulating the primary return temperature
- Flexible operation thanks to various operating modes (e.g. manual) for rapid heat supply in the event of a malfunction
- Early fault detection through temperature and status monitoring (e.g. relays, pumps)
- Transparent operating parameters enable efficient remote monitoring and control of the entire system (e.g automatic error reporting)
- Optional: Exact billing through convenient reading of the heat meter



Dashboard
for service technicians
and network operators

OV+ Cloud

OV+ Gate



Example of the OV+ dashboard



OV+ Gate

For the integration of the Regudis H local heating stations in the OV+ Cloud, simple surface installation, no programming necessarry.

Width	175 mm	Height	50 mm

Description	Item No.
For networking without LTE	1159990
For networking with LTE	1159991



OV+ services

Service - Remote monitoring
Your solution for maximum control and efficiency!
With our remote monitoring services, we offer you the following options and advantages:

- Access for network operators: Optimise the primary-side settings as needed for an efficient process and benefit from smooth operation.
- Access for service technicians/installers: As an expert, you can use remote access to help your customers quickly and effectively in the event of a malfunction.
- Restricted access for end customers: If required, a service technician can set up restricted access for end customers.

Speak to your Oventrop contact person directly and let us support you closely throughout your project.

Description	Item No.
OV+ Cloud access service - Network operator	9900090
OV+ Cloud access service - Installer	9900091
OV+ Cloud access service - End customer	9900092
OV+ LTE subscription (for the OV+ Gate 1159991)	9900093

3.4 Stations for solar thermal energy

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3.4 Stations for solar thermal energy

Regusol Stations 489

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Regusol PH Pump circuits



For the connection of a solar circuit. The pump circuits enable the solar circuit to be shut off on the return side and prevent self-circulation via an integrated check valve when the pump is switched off.

The pump circuits consist of a high-efficiency pump, a ball valve with integrated check valve and thermometer in the return, a safety group with safety valve, pressure gauge, fill and drain cock and connection possibility of an expansion tank, a flow measuring and regulating device with shutoff and fill and drain cock, a wall mounting device and a thermal insulation.

The Regusol pump circuits are characterised by a time- and space-saving installation. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials.

Version	One pipe
Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Connection expansion tank	G ¾ external thread flat sealing
Length	188 mm
Width	150 mm
Thermal insulation	Yes
Wall bracket	Yes
Dial thermometer	Yes
Check valve	Yes

Safety valve	Yes
Pressure gauge	Yes
Venting	No
Volume flow sensor	No
Flow indicator	Yes
Measuring range*	2 up to 15 l/min
Fill and drain cock	Yes
Electronic controller	No
Retrofitting controller insertion block	No
Max. operating temperature	120 °C
Short-term starting temperature	160 °C
Max. operating pressure	6 bar



Regusol PH-130 DN 25

Pump length	130 mm	Height	375 mm

Pump type	Item No.
Wilo PARA ST 25-130/7-50/iPWM	1362063



Regusol PH-180 DN 25

Pump length	180 mm	Height	425 mm

Pump type	Item No.
Grundfos UPM3 W3 Solar 25-75 PWM	1368163

 Measuring range = Measuring range of the flow measuring and regulating device

Regusol SH Stations



For the connection of a solar circuit. The stations enable the solar circuit to be shut off on the supply and return side and prevent self-circulation via integrated check valves when the pump is switched off.

The stations consist of a high-efficiency pump, ball valves with integrated check valves and thermometers in the supply and return, a safety group with safety valve, pressure gauge, fill and drain cock and connection possibility of an expansion tank, a flow measuring and regulating device with shutoff and fill and drain cock, a wall mounting device and a thermal insulation.

The Regusol stations are characterised by a time- and space-saving installation. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials.

Connection expansion tank	G ¾ external thread flat sealing
Thermal insulation	Yes
Wall bracket	Yes
Dial thermometer	Yes
Check valve	Yes
Safety valve	Yes
Pressure gauge	Yes

Venting	No
Volume flow sensor	No
Flow indicator	Yes
Electronic controller	No
Max. operating temperature	120 °C
Short-term starting temperature	160 °C
Max. operating pressure	6 bar

Regusol SH-130 DN 20



Version	One pipe
Nominal size	DN 20
Connection solar circuit	G ¾ external thread with Eurocone
Connection storage cylinder circuit	G ¾ external thread with Eurocone
Pump length	130 mm
Length	145 mm

Width	200 mm
Height	365 mm
Centre distance	100 mm
Measuring range*	2 up to 14 l/min
Fill and drain cock	Yes
Retrofitting controller insertion block	No

Pump type	Item No.
Grundfos UPM3 Solar 15-75 PWM	1360033 °

Regusol SH-130 DN 25



Version	Two pipe
Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Pump length	130 mm
Length	195 mm

Width	250 mm
Height	375 mm
Centre distance	100 mm
Measuring range*	2 up to 15 l/min
Fill and drain cock	Yes
Retrofitting controller insertion block	Yes

Pump type	Item No.
Grundfos UPM3 W3 Solar 25-75 PWM	1360063

Measuring range = Measuring range of the flow measuring and regulating device

° Production will be discontinued

Regusol SH-180 DN 25

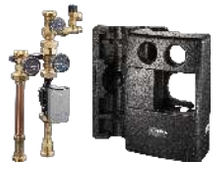


Version	Two pipe
Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Pump length	180 mm
Length	195 mm

Width	250 mm
Height	425 mm
Centre distance	100 mm
Measuring range*	2 up to 15 l/min
Fill and drain cock	Yes
Retrofitting controller insertion block	Yes

Pump type	Item No.
Grundfos UPM3 W3 Solar 25-75 PWM	1368064

Regusol SH-180 DN 32



Version	Two pipe
Nominal size	DN 32
Connection solar circuit	G 2 external thread, flat sealing
Connection storage cylinder circuit	G 2 external thread, flat sealing
Pump length	180 mm
Length	221 mm

Width	350 mm
Height	530 mm
Centre distance	125 mm
Measuring range*	10 up to 40 l/min
Fill and drain cock	No
Retrofitting controller insertion block	No

Pump type	Item No.
Wilo PARA 30-180/9-87/iPWM	1368251

 Measuring range = Measuring range of the flow measuring and regulating device

Regusol LH Stations with vent pot



For the connection of a solar circuit. The stations enable the solar circuit to be shut off on the supply and return side and prevent self-circulation via integrated check valves when the pump is switched off. A vent pot enables the degassing of the heat transfer medium in the supply pipe.

The stations consist of a high-efficiency pump, ball valves with integrated check valves and thermometers in the supply and return, a safety group with safety valve, pressure gauge, fill and drain cock and connection possibility of an expansion tank, a flow measuring and regulating device with shutoff and fill and drain cock, a vent pot, a wall mounting device and a thermal insulation.

The Regusol stations are characterised by a time- and space-saving installation. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials.

Version	Two pipe
Connection expansion tank	G ¾ external thread flat sealing
Centre distance	100 mm
Thermal insulation	Yes
Wall bracket	Yes
Dial thermometer	Yes
Check valve	Yes
Safety valve	Yes
Pressure gauge	Yes
Venting	Yes
Volume flow sensor	No
Flow indicator	Yes
Fill and drain cock	Yes
Electronic controller	No
Max. operating temperature	120 °C
Short-term starting temperature	160 °C



Regusol LH-130 DN 20

Nominal size	DN 20
Connection solar circuit	G ¾ external thread with Eurocone
Connection storage cylinder circuit	G ¾ external thread with Eurocone
Pump length	130 mm
Length	145 mm
Width	200 mm
Height	365 mm
Measuring range*	2 up to 14 l/min
Retrofitting controller insertion block	No
Max. operating pressure	6 bar

Pump type	Item No.
Grundfos UPM3 Solar 15-75 PWM	1360573 °

Measuring range = Measuring range of the flow measuring and regulating device

° Production will be discontinued

Regusol LH-130 DN 25



Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Pump length	130 mm
Length	195 mm
Width	250 mm
Height	375 mm
Retrofitting controller insertion block	Yes
Max. operating pressure	6 bar

Pump type	Measuring range* *(l/min)*	Item No.
Wilo PARA ST 25-130/7-50/iPWM	2 up to 15	1360557
Wilo PARA ST 25-130/8-75/iPWM	7 up to 30	1360558 °

Regusol LH-180 DN 25



Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Pump length	180 mm
Length	195 mm
Width	250 mm
Height	425 mm
Retrofitting controller insertion block	Yes

Pump type	Measuring range* *(l/min)*	Max. operating pressure *(bar)*	Item No.
without pump	2 up to 15	6	1360850 °
Wilo PARA ST 25-180/7-50/iPWM	2 up to 15	6	1360851
Wilo PARA ST 25-180/8-75/iPWM	7 up to 30	6	1360852
Grundfos UPM3 W3 Solar 25-75 PWM	2 up to 15	6	1360853
Wilo PARA ST 25-180/7-50/iPWM	2 up to 15	10	1360854

Measuring range = Measuring range of the flow measuring and regulating device

° Production will be discontinued

Regusol ELH Stations with electronic controller



For the connection of a solar circuit. The stations enable the solar circuit to be shut off on the supply and return side and prevent self-circulation via integrated check valves when the pump is switched off. A vent pot enables the degassing of the heat transfer medium in the supply pipe. The integrated electronic controller takes over the control and monitoring of the solar thermal system.

The stations consist of a high-efficiency pump, ball valves with integrated check valves and thermometers in the supply and return, a safety group with safety valve, pressure gauge, fill and drain cock and connection possibility of an expansion tank, a flow measuring and regulating device with shutoff and fill and drain cock, a vent pot, an electronic controller, a wall mounting device and a thermal insulation.

The Regusol stations are characterised by a time- and space-saving installation. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials.

Version	Two pipe
Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread for Regusol compression fittings
Connection expansion tank	G ¾ external thread flat sealing
Length	195 mm
Width	250 mm
Centre distance	100 mm
Thermal insulation	Yes

Wall bracket	Yes
Dial thermometer	Yes
Check valve	Yes
Safety valve	Yes
Pressure gauge	Yes
Venting	Yes
Fill and drain cock	Yes
Electronic controller	Yes
Max. operating temperature	120 °C
Short-term starting temperature	160 °C

Regusol ELH-130-RC DN 25



With Regtronic RC electronic controller.

Pump length	130 mm
Height	375 mm
Volume flow sensor	No

Flow indicator	Yes
Measuring range*	2 up to 15 l/min
Max. operating pressure	6 bar

Pump type	Item No.
Wilo PARA ST 25-130/7-50/iPWM	1366597

Regusol ELH-130-RC-P DN 25



With Regtronic RC-P electronic controller.

Pump length	130 mm
Height	375 mm
Volume flow sensor	Vortex

Flow indicator	No
Max. operating pressure	6 bar

Pump type	Item No.
Wilo PARA ST 25-130/7-50/iPWM	1360394

Measuring range = Measuring range of the flow measuring and regulating device



Regusol ELH-180-RC DN 25

With Regtronic RC electronic controller.

Pump length	180 mm	Flow indicator	Yes
Height	425 mm	Measuring range*	2 up to 15 l/min
Volume flow sensor	No		

Pump type	Max. operating pressure *(bar)*	Item No.
Wilo PARA ST 25-180/7-50/iPWM	6	1360862
Wilo PARA ST 25-180/7-50/iPWM	10	1360864

Measuring range = Measuring range of the flow measuring and regulating device

Regusol X Stations with heat exchanger



The Regusol X stations with heat exchanger enable a controlled transfer of thermal energy from a solar circuit (primary circuit) to a storage cylinder circuit (secondary circuit). The stations enable the solar circuit to be shut off on the supply and return side and prevent self-circulation via integrated check valves when the pump is switched off. The integrated electronic controller takes over the control and monitoring of the solar thermal system.

The primary circuit consists of a high-efficiency pump, ball valves with integrated check valves and thermometers in the supply and return, a safety group with safety valve, pressure gauge, fill and drain cock and connection possibility of an expansion tank, connections for filling, flushing and draining and an electronic volume flow sensor. The secondary circuit consists of a high-efficiency pump, ball valves with integrated thermometers in the supply and return, a check valve, a safety valve, a vent valve and a connection for filling, flushing and draining. Depending on the version, a changeover valve is also included, e.g. for stratified storage cylinders or two separate storage cylinders. The circuits are separated by a plate heat exchanger. The station has an integrated electronic controller, a wall mounting device and a thermal insulation.

The Regusol X stations are ideal for buffer storage cylinders without direct solar connection. They are characterised by a time- and space-saving installation. A high degree of functional reliability is ensured by maintenance-free components and high-quality materials.

Heat exchanger	Copper brazed
Nominal size	DN 25
Connection solar circuit	G 1 external thread for Regusol compression fittings
Connection storage cylinder circuit	G 1 external thread, flat sealing
Connection expansion tank	G ¾ external thread flat sealing
Pump length	130 mm
Length	265 mm
Width	500 mm
Height	860 mm
Thermal insulation	Yes
Wall bracket	Yes

Dial thermometer	Yes
Check valve	Yes
Safety valve	Yes
Pressure gauge	Yes
Venting	Yes
Volume flow sensor	Vortex
Flow indicator	No
Fill and drain cock	Yes
Electronic controller	Yes
Max. operating temperature	120 °C
Short-term starting temperature	160 °C

3.4



Regusol X-Uno 25 with one storage cylinder circuit connection

Pump type	Item No.
Wilo PARA ST 15-130/7-50/iPWM2-6 (collector circuit) Wilo PARA 15-130/7-50/iPWM2-6 (storage cylinder circuit)	1361060



Regusol X-Duo with two storage cylinder circuit connections

Pump type	Item No.
Wilo PARA ST 15-130/7-50/iPWM2-6 (collector circuit) Wilo PARA 15-130/7-50/iPWM2-6 (storage cylinder circuit)	1361050

Regusol - Accessories and spare parts



Regusol X Supplementary set

For the extension of a Regusol X station to enable different collector fields (e.g. east-west) to be interconnected and controlled.

Description	Item No.
For Regusol X, with high-efficiency pump Wilo PARA ST 15-130/7-50/iPWM2-6	1361092



Regusol Compression fitting

For connecting the solar circuit to Regusol components and Regusol stations DN 20.

Description	Item No.
For copper and precision steel pipe, DN 20, G ¾ union nut, 15 mm, 4-fold	1367395
For copper and precision steel pipe, DN 20, G ¾ union nut, 18 mm, 4-fold	1367397



Regusol Compression fitting with support sleeve

For connecting the solar circuit to Regusol components and Regusol stations DN 25.

Description	Item No.
For copper and precision steel pipe, DN 25, G 1 union nut, 15 mm, 2-fold	1367585
For copper and precision steel pipe, DN 25, G 1 union nut, 18 mm, 2-fold	1367587
For copper and precision steel pipe, DN 25, G 1 union nut, 22 mm, 2-fold	1367589



Brass support sleeve

For laying of soft pipes with 1 mm wall thickness.
Dimension refer to outer pipe diameter.

Description	Item No.
12 mm	1029652
15 mm	1029654
16 mm	1029655
18 mm	1029656
22 mm	1029657



Tailpipe set DN 32

For connection to Regusol SH-180 DN 32.

Description	Item No.
Threaded tailpipe set Rp 1¼, G 2 union nut, 2-fold	1350476



Regusol Connection nipple

Description	Item No.
For the connection of collector pipes, 2 x G 1 with cone	1369089



Locking bracket

Description	Item No.
For Regusol stations in connection with flexible pipe	1369090



Regusol Connection set

Description	Item No.
For Regusol stations DN 15 in connection with flexible pipe, DN 25 G 1 union nut and tailpipe G ¾ external thread	1369085



Flat sealing insert

For changing a conical connection into a flat sealing connection.

Description	Item No.
For Regusol stations DN 20	1369086
For Regusol stations DN 25	1659990



Connection set for diaphragm expansion tank

Description	Item No.
For Solar diaphragm expansion tank, with wall bracket, quick coupling for diaphragm expansion tank and flexible hose	1369051



Quick coupling for diaphragm expansion tank

Description	Item No.
DN 20, G ¾ internal thread x G ¾ external thread	1088806



Expa-Con Solar Cap valve

Description	Item No.
DN 20, Rp ¾ internal thread x G ¾ external thread	1364185



Check valve

To prevent gravity circulation when the pump is switched off.
Opening pressure 20 bar, continuous operating temperature 120 °C, short-term starting temperature 160 °C.

Description	Item No.
G 1 x G 1 union nut	1364199



Regusol Vent pot

For separate connection to the collector supply.

Description	Item No.
Both sides G 1 for Regusol compression fittings	1364260



Regusol Fill and flush device

Description	Item No.
With lateral connection for filling and flushing pipes G ¾, G 1 external thread x G 1 external thread	1363051



Regusol Refill pump

Description	Item No.
With hose connection and ball valves on the suction and pressure side	1364250



Replacement heat exchanger

For Regusol X-15 (20 plates) and Regusol X-25 (30 plates)

Description	Item No.
20 plates up to 40 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351790
30 plates up to 55 kW (primary circuit 80/60°C, secondary circuit 50/70°C)	1351791



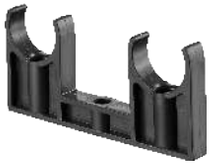
Replacement controller

Description	Item No.
For Regusol X, Regtronic RX, cabled	9010537 ⁘



Replacement changeover valve

Description	Item No.
For Regudis H and Regusol X-Duo	9010492



Replacement wall bracket

Description	Item No.
For Regusol-130/180 stations	1369080
For Regusol PH stations	1369081



Replacement Regusol SG Safety group

Description	Item No.
For Regusol stations (manufactured from 2015), with safety valve 6 bar	1364192
For Regusol stations (manufactured until 2015), with safety valve 10 bar	1364247



Replacement flow measuring and regulating device

Description	Item No.
For Regusol stations, 2-15 l/min, G 1 ½ union nut x G 1 for Regusol compression fittings	1364161
For Regusol stations, 7-30 l/min, G 1 ½ union nut x G 1 for Regusol compression fittings	1364162
For Regusol stations, 2-14 l/min, G 1 union nut x G ¾ for Regusol compression fittings	1364163



Replacement volume flow sensor VFS

Description	Item No.
For Regusol ELH-RC-P stations, with connecting cable, 2-40 l/min	1364170



Replacement volume flow sensor VFD

Description	Item No.
For Regusol X stations with Regtronic RX, with connecting cable, 2-40 l/min	1369092



Replacement Regusol Vent pipe

With ball valve with integrated check valve, thermometer and vent pot.

Description	Item No.
For Regusol-130 stations DN 25 (manufactured until 2015)	1364190
For Regusol-130 stations DN 25 (manufactured from 2015)	1364193
For Regusol-180 stations DN 25 (manufactured from 2015)	1364194



Replacement Regusol Pump ball valve

With check valve 20 mbar opening pressure and connection option for Regusol safety group.

Description	Item No.
For Regusol stations DN 25 (manufactured from 2015)	1364187
For Regusol stations DN 25 (manufactured until 2015)	1364198



Replacement thermometer

Description	Item No.
For Regumat and Regusol stations DN 20, blue	1351701
For Regumat and Regusol stations DN 20, red	1351702
For Regusol stations (manufactured from 2015), red	1364188
For Regusol stations (manufactured from 2015), blue	1364189
For Regusol stations (manufactured until 2015)	1364195



Replacement pressure gauge

Description	Item No.
For Regusol stations, display range 0 - 10 bar	1364196



Replacement high-efficiency pump 130 mm with connection thread G 1

Description	Item No.
For Regusol X primary circuit, Wilo PARA ST 15-130/7-50/iPWM2-6	1369010
For Regumaq X-30/XZ-30 primary circuit and Regusol X secondary circuit, Wilo PARA 15-130/7-50/iPWM2-6	1389010

Replacement high-efficiency pump 130 mm with connection thread G 1½



Description	Item No.
For Regusol-130 stations DN 25, Grundfos UPM3 W3 Solar 25-75 PWM C 130	1360589
For Regusol-130 stations DN 25, Wilo PARA ST 25-130/7-50/iPWM2-9	1360590

Replacement high-efficiency pump with connection thread G 1½



Description	Item No.
For Regusol-180 stations DN 25, Grundfos UPM3 W3 Solar 25-75 PWM C 180	1367259
For Regusol-180 stations DN 25, Wilo PARA ST 25-180/7-50/iPWM2-9	1367260

Replacement mains connection cable



Description	Item No.
For Grundfos UPM 3 and Reguflow 15-6/130 TS, cable length 2 m	1358149
For Wilo-Yonos PARA, Wilo PARA BZ Z and Grundfos UPML, with right-angle plug	1358171
For Wilo PARA, with angled plug	1358172

Replacement signal connecting cable



Description	Item No.
For Grundfos UPM 3/UPML and Wilo-Yonos PARA	1358180

Replacement OKP Vaccum tube



Description	Item No.
For OKP tube collectors	1361290

3.4 Stations for solar thermal energy

Regtronic Electronic controllers 504

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Regtronic Electronic controllers



Oventrop electronic controllers ensure an efficient use of energy in the heating and cooling supply. They enable the control, combination and monitoring of different functions from the areas of generation, distribution and transfer to an intelligent system. The controllers can coordinate different heat generators (including gas boilers, solid fuel boilers or solar thermal systems) to ensure economical operation.



Regtronic RC Simple solar controller for controlling a solar plant

Application	Solar	Potential-free relays	1
Operating voltage	230 V AC	PWM*	2
Sensor inputs	4	Further inputs	Pulse inputs V40
Solid-state relays	2		

Scope of delivery	Item No.
1 x Collector sensor 3 x Storage cylinder sensor	1369549



Regtronic RC-P Flexible solar controller for more complex solar thermal systems, hot potable water preparation and additional functions

Application	Solar Storage cylinder management Service water heating	Potential-free relays	1
		PWM*	2
Operating voltage	230 V AC	Further inputs	Pulse inputs V40 FlowRotor Grundfos Direct Sensor
Sensor inputs	4		
Solid-state relays	3	Heat meter	2

Scope of delivery	Item No.
1 x Collector sensor 3 x Storage cylinder sensor	1369551

PWM = Outputs pulse-width modulation



Regtronic RM Multifunction controller for the control of weather-compensated mixed/unmixed heating circuits as well as solar plants

Application	Heating circuit control Heat generator activation Solid fuel boiler, solar Service water heating Storage cylinder management
Operating voltage	230 V AC
Sensor inputs	12
Solid-state relays	13
Potential-free relays	1

PWM*	4
Further inputs	Pulse inputs V40 Grundfos Direct Sensor FlowRotor
PWM switchable 0 - 10 V*	Yes
Heat meter	7
Product compatible to	Regtronic EM

Scope of delivery	Item No.
6 x Storage cylinder sensor 2 x Collector sensor	1369555

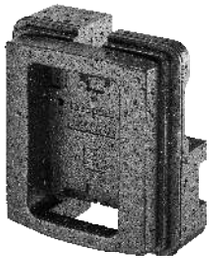
ErP classification Regtronic RM

Item no.	Controller	Required accessories	Boiler control: Modulating (0-10 V)	Boiler control: On/Off	ErP %	Class
1369555	Regtronic RM	1 x Outside temperature sensor 1152099	●		2.0	II
		1 x Outside temperature sensor 1152099		●	1.5	III
		1 x Room temperature sensor 1152095 1 x Outside temperature sensor 1152099	●		4.0	VI
		1 x Room temperature sensor 1152095 1 x Outside temperature sensor 1152099		●	3.5	VII
		3x Room temperature sensor 1152095	●		5.0	VIII

3.4

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V

Regtronic - Accessories and spare parts



Controller insertion block

Description	Item No.
For Regusol SH/LH DN 25 (manufactured from 2015), for retrofitting a Regtronic RC/RC-P	1369553



Regtronic S-bus

Description	Item No.
For speed control of high-efficiency pumps (PWM / 0 - 10 V) in combination with conventional solar controllers	1369531



Regtronic PSW Signal converter (PWM/0-10 V)

Description	Item No.
For the conversion of an asynchronous signal into a high-efficiency pump control signal (PWM / 0 - 10 V)	1369532



Outside temperature sensor

Suitable for Regtronic RH, RHC, RH-HT, EM, RM, RS and RD-W.

Description	Item No.
For outside temperature measurement, PT 1000 sensor element, splash-proof housing, surface mounting	1152099



Room temperature sensor

Description	Item No.
For room temperature measurement, PT 1000 sensor element, surface mounting	1152095



Remote control with room temperature sensor

Description	Item No.
For heating curve and function setting (Party, Heating circuit off), control from the living room, PT 1000 sensor element, surface mounting	1152096



Room control unit

Description	Item No.
For operating mode setting (Auto, Night, Summer, Off), for heating curve and function setting (Party, Heating off), control from the living room, PT 1000 sensor element, surface mounting	1152087



Room control unit

Description	Item No.
For setting the setpoint room temperature and measuring the relative air humidity	1152091 ⁘



Sensor LW TH Temperature sensor

Suitable for all Oventrop controllers.

Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093
For temperature measurement and detection at collectors, PT 1000 sensor element, continuous temperature range up to 180 °C, length 2 m	1369094

⁘ New in the catalogue 2026

Sensor connection box



Description	Item No.
For protection of the collector sensor against externally induced overvoltage and local lightning strikes, splash-proof, IP 65	1369591


PN16
oventrop

Potable water

4

4 Potable water

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4.1 Products for the preservation of potable water hygiene

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4.1 Products for the preservation of potable water hygiene

Aquastrom Thermal circulation valves **515**

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Aquastrom K - Accessories and spare parts..... 522
Aquastrom VT/T plus - Accessories and spare parts. 524

Aquastrom T Thermal circulation valves



For hydronic balancing in circulation pipes according to DVGW Code of Practice W551/W553. Depending on the version, the Aquastrom T circulation valves are thermally or electronically controlled and are available with internal or external thread. Below the set temperature, the valve opens and automatically increases the hot water volume flow. The valve has a fixed residual volume flow and automatically recognises thermal disinfection. Depending on the version, it enables the maximum volume flow to be limited and shut off via an integrated regulating unit with reproducible presetting.

The valves are made of silicon bronze. Depending on the version, they are equipped with a drain valve with hose connection and a thermometer. A temperature sensor for integration into the building management system can be retrofitted. Depending on the version, an insulation shell made of EPP according to the German Building Energy Act GEG and building material class B2 according to DIN 4102 is included in the scope of delivery or available as accessory.

The Aquastrom T valves control the hydronic balancing and the temperature-controlled regulation of the volume flows in potable water circulation pipes. The temperature setpoint can be blocked and lead-sealed. Depending on the version, the flow rate can be blocked.

Body material	Silicon bronze	Medium	Potable water
Installation location	Circulation pipe	Operating temperature	up to 90 °C
Max. operating pressure	16 bar	Measuring connection	No

Aquastrom TV with internal thread



Setting range	50 up to 65 °C	Draining	Yes
Connections	Internal thread	Dial thermometer	Yes
Presetting	Yes	Thermal insulation	Yes
Reproducible presetting	Yes	Certification	DVGW, SVGW, WRAS, ACS, PZH
Shutoff	Yes		
Presetting blockable	Yes		

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4202504
DN 20	Rp ¾	2.21	4202506

Aquastrom TV with flat sealing external thread



Setting range	50 up to 65 °C	Draining	Yes
Connections	External thread	Dial thermometer	Yes
Presetting	Yes	Thermal insulation	Yes
Reproducible presetting	Yes	Certification	DVGW, SVGW, WRAS, ACS, PZH
Shutoff	Yes		
Presetting blockable	Yes		

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4202704
DN 20	G 1	2.21	4202706



Aquastrom TV with internal thread, without accessories

Setting range	50 up to 65 °C
Connections	Internal thread
Presetting	Yes
Reproducible presetting	Yes
Shutoff	Yes
Presetting blockable	Yes

Draining	Extendable
Dial thermometer	Extendable
Thermal insulation	Extendable
Certification	DVGW, SVGW, WRAS, ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4202604
DN 20	Rp ¾	2.21	4202606



Aquastrom TV with flat sealing external thread, without accessories

Setting range	50 up to 65 °C
Connections	External thread
Presetting	Yes
Reproducible presetting	Yes
Shutoff	Yes
Presetting blockable	Yes

Draining	Extendable
Dial thermometer	Extendable
Thermal insulation	Extendable
Certification	DVGW, SVGW, WRAS, ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4202804
DN 20	G 1	2.21	4202806



Aquastrom T with internal thread, without accessories and without shutoff facility and presetting

Setting range	50 up to 65 °C
Connections	Internal thread
Presetting	No
Shutoff	No

Draining	Extendable
Dial thermometer	Extendable
Thermal insulation	Extendable
Certification	DVGW, SVGW, WRAS, ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4202904



Aquastrom TD with internal thread

Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5
Setting range	40 up to 90 °C
Closing force	150 N
Connections	Internal thread
Presetting	Yes
Reproducible presetting	Yes

Shutoff	Yes
Presetting blockable	Yes
Draining	No
Dial thermometer	No
Thermal insulation	Yes
Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4205004 ⁘
DN 20	Rp ¾	2.21	4205006 ⁘

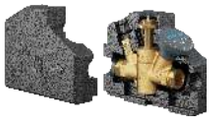


Aquastrom TD with flat sealing external thread

Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5	Shutoff	Yes
Setting range	40 up to 90 °C	Presetting blockable	Yes
Closing force	150 N	Draining	No
Connections	External thread	Dial thermometer	No
Presetting	Yes	Thermal insulation	Yes
Reproducible presetting	Yes	Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4205104 ⁘
DN 20	G 1	2.21	4205106 ⁘



Aquastrom DT with external flat sealing thread, without accessories

Electronic circulation valve without actuator and FM-CW K field module.

Connection actuator	M 30 x 1.5	Shutoff	Yes
Setting range	40 up to 90 °C	Presetting blockable	Yes
Connections	External thread	Draining	No
Presetting	Yes	Dial thermometer	No
Reproducible presetting	Yes	Thermal insulation	Yes

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4205304 ⁘
DN 20	G 1	2.21	4205306 ⁘

Hydronic balancing?
Quickly done with OVplan.

You want do design system with our **Aquastrom valves**?
It's easy with our **planning software OVplan**.

Download now **free of charge** at www.oventrop.com/qr/ovplan



Aquastrom T - Accessories and spare parts



Aktor M with Modbus RTU interface

Accessory for Aquastrom TD without actuator and FM-CW K field module.
Various parameters can be configured and/or read out via Modbus RTU (e.g. volume flow, valve characteristic line, sensor type, operating hours, operating and fault messages). Two universel inputs/outputs enable the connection of temperature sensors, window contacts and humidity sensors, as well as the control of 0 - 10 V rotary actuators.

Description	Item No.
Modbus type, 0 - 10 V control, cable 1.5 m	1012745

Insulation shell



Description	Item No.
For Aquastrom T, DN 15 and DN 20	4209610 ⁘



Drain valve for hose connection

To accommodate the dial thermometer (4205593) or the sensor element (4205592).

Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593



Dial thermometer

For installation in the drain valve for hose connection item no. 4205593.

Description	Item No.
For Aquastrom valves and Regucirc B	4205591

Wire seal kit



Description	Item No.
For Aquastrom T, consisting of sealing plug and sealing wire	4208091 ⁘

4.1

Sensor LW TQ Sensor element



Description	Item No.
For remote monitoring of the pipeline temperature and for integration into a building management system (BMS), PT 1000 sensor element, G ¼	1150090
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592

Aquastrom P Water sampling valve



Certification	DVGW, SVGW, PZH

Description	Item No.
DN 8, PN 10, bronze/stainless steel	4209102

Drain valve



Description	Item No.
DN 8, G ¼ external thread, with rotatable outlet for ⅜ hose	4209602

Drain ball valve



Description	Item No.
DN 8, G ¼ external thread	4200191

Replacement valve insert



Description	Item No.
For Aquastrom T DN 15	4209692 ⁘
For Aquastrom T DN 20	4209693 ⁘

Aquastrom K Thermal circulation valves



For hydronic balancing of cold water circulation pipes. The Aquastrom K circulation valves are thermally controlled and available with internal thread. Above the set temperature, the valve opens and automatically increases the cold water volume flow. The valve has a fixed residual volume flow and allows the volume flow to be shut off.

The valve body is made of silicon bronze. For integration into the building management system, a drain valve with thermometer or a temperature sensor can be retrofitted. EPP insulation shells in accordance with the German Building Energy Act GEG and building material class B2 according to DIN 4102 are included in the scope of delivery.

The Aquastrom K valves control the hydronic balancing and temperature-controlled regulation of volume flows in cold water circulation pipes.

Connections	Internal thread
Body material	Silicon bronze
Installation location	Circulation pipe
Shutoff	Yes
Draining	Extendable
Measuring connection	No

Dial thermometer	Extendable
Thermal insulation	Yes
Operating temperature	up to 50 °C
Max. operating pressure	16 bar
Medium	Potable water
Certification	PZH

Aquastrom K with internal thread



Nominal size	Connection size	Setting range (°C)	Item No.
DN 15	Rp ½	6 up to 18	4207904
DN 15	Rp ½	12 up to 24	4208004

Aquastrom K - Accessories and spare parts



Drain valve for hose connection

To accommodate the dial thermometer (4205593) or the sensor element (4205592).

Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593



Dial thermometer

For installation in the drain valve for hose connection (item no. 4205593).

Description	Item No.
For Aquastrom valves and Regucirc B	4205591



Sensor LW TQ Sensor element

Description	Item No.
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592



Aquastrom P Water sampling valve

Certification	DVGW, SVGW, PZH

Description	Item No.
DN 8, PN 10, bronze/stainless steel	4209102



Drain valve

Description	Item No.
DN 8, G ¼ external thread, with rotatable outlet for ⅜ hose	4209602

Drain ball valve



Description	Item No.
DN 8, G ¼ external thread	4200191

Replacement insulation shell

Suitable for Aquastrom K thermal circulation valves (manufactured from 2025).



Nominal size	Item No.
DN 15	1069610

Replacement valve insert



Description	Item No.
For Aquastrom K, adjustable between 6 °C and 18 °C	4205990
For Aquastrom K, adjustable between 12 °C and 24 °C	4205992

Aquastrom VT/T plus - Accessories and spare parts

Insulation shell



Description	Item No.
For Aquastrom T plus, DN 15 and DN 20	4205581
For Aquastrom T plus, DN 25	4205583
For Aquastrom VT, DN 15 and DN 20	4205781

Drain valve for hose connection



To accommodate the dial thermometer (4205593) or the sensor element (4205592).

Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593

Dial thermometer



For installation in the drain valve for hose connection (item no. 4205593).

Description	Item No.
For Aquastrom valves and Regucirc B	4205591

Wire seal kit



Description	Item No.
10-fold, consisting of seal and sealing wire	1089091

Blocking pin with sealing wire



Description	Item No.
For Hycocon VTZ and Aquastrom T plus	1061792

Sensor LW TQ Sensor element



Description	Item No.
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592

Replacement valve insert



Description	Item No.
For Aquastrom UP-Therm, DN 15, operating point 57 °C	4225090
For Aquastrom UP-Therm, DN 15, operating point 63 °C	4225590

4.1 Products for the preservation of potable water hygiene

Aquastrom Static circulation valves 526

Aquastrom C Static circulation valves..... 527
Aquastrom C - Accessories and spare parts..... 529

Aquastrom C Static circulation valves



For hydronic balancing in circulation pipes according to DVGW Code of Practice W551/ W553. The Aquastrom C circulation valves allow the maximum volume flow to be limited and shut off via an integrated regulating unit with reproducible presetting and are available with internal or external thread.

The valves are made of silicium bronze. Depending on the version, they are equipped with a drain valve with hose connection and a thermometer. A temperature sensor for integration into the building management system can be retrofitted. Depending on the version, an insulation shell made of EPP according to the German Energy Building Act GEG and building material class B2 according to DIN 4102 is included in the scope of delivery or available as accessory.

The Aquastrom C valve are installed in potable water circulation pipes and enable the hydronic balancing of the pipelines with each other. The flow can be blocked.

Body material	Silicon bronze
Installation location	Circulation pipe
Shutoff	Yes
Measuring connection	Extendable

Operating temperature	-20 up to 150 °C
Max. operating pressure	16 bar
Medium	Potable water

ACS

Aquastrom C with internal thread



Connections	Internal thread
Draining	Yes
Dial thermometer	Yes

Thermal insulation	Yes
Certification	ACS

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	2.88	4204104
DN 20	Rp ¾	3.29	4204106
DN 25	Rp 1	7.70	4204108
DN 32	Rp 1 ¼	15.61	4204110

Aquastrom C with internal thread, without accessories



Connections	Internal thread
Draining	Extendable
Dial thermometer	Extendable

Thermal insulation	Extendable
Certification	ACS

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	2.88	4204152
DN 20	Rp ¾	3.29	4204154
DN 25	Rp 1	7.70	4204156
DN 32	Rp 1 ¼	15.61	4204158



Aquastrom C with external thread, without insulation shell

Connections	External thread	Dial thermometer	Yes
Draining	Yes	Thermal insulation	No

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	2.88	4204204 ⁘
DN 20	G 1	3.29	4204206 ⁘
DN 25	G 1 ¼	7.70	4204208 ⁘
DN 32	G 1 ½	15.61	4204210 ⁘

Aquastrom C - Accessories and spare parts

Insulation shell



Description	Item No.
For Aquastrom C DN 15 and DN 20 (manufactured until 2025)	4208181
for Aquastrom C DN 25 (manufactured until 2025)	4208182
for Aquastrom C DN 32 (manufactured until 2025)	4208183

Insulation shell

Suitable for Aquastrom C (manufactured from 2025).



Nominal size	Item No.
DN 15	1069610
DN 20	1069611
DN 25	1069612
DN 32	1069613

Drain valve for hose connection

To accommodate the dial thermometer (4205593) or the sensor element (4205592).



Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593

Dial thermometer

For installation in the drain valve for hose connection item no. 4205593.



Description	Item No.
For Aquastrom valves and Regucirc B	4205591



Blocking set

Description	Item No.
1-fold, consisting of blocking cap, seal and sealing wire	1060180



Wire seal kit

Description	Item No.
10-fold, consisting of seal and sealing wire	1089091



Identification ring

Can be clipped onto the handwheel for pipeline identification.

Description	Item No.
10-fold, blue	1069650
10-fold, red	1069651



Sensor LW TQ Sensor element

Description	Item No.
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592



Aquastrom P Water sampling valve

Certification	DVGW, SVGW, PZH

Description	Item No.
DN 8, PN 10, bronze/stainless steel	4209102



Drain valve

Description	Item No.
DN 8, G ¼ external thread, with rotatable outlet for ⅜ hose	4209602



Drain ball valve

Description	Item No.
DN 8, G ¼ external thread	4200191



Measuring valve

Please observe the local regulations for measuring potable water systems

Connection size	Item No.
G ¼	4209090



Replacement insert

Description	Item No.
For Aquastrom C DN 15 (manufactured until 2025)	4208192
For Aquastrom C DN 20 (manufactured until 2025)	4208193
For Aquastrom C DN 25 (manufactured until 2025)	4208194
For Aquastrom C DN 32 (manufactured until 2025)	4208195

4.1 Products for the preservation of potable water hygiene

Aquastrom Water sampling valves 532

Aquastrom P Water sampling valves..... 533

Aquastrom P Water sampling valves



For microbiological-chemical testing of potable water installation systems according to DIN EN ISO 19458 and the German Potable Water Ordinance (TrinkwV). The Aquastrom C valves are certified according to DVGW W 579.

Depending on the version, the valves are made of bronze according to DIN EN 1982 and DIN 50930-6 or chrome-plated brass according to DIN 50930-6. The spindle and the discharge elbow are made of stainless steel, with metal-to-metal sealing and additional heat-resistant PTFE seals. The discharge elbow can be flame-sterilised and rotated 360°. The valves are loosely pre-assembled and can therefore be installed in any position. They are operated using the enclosed Allen key.

The bronze version includes an additional metal plate for labelling the sampling point in accordance with DIN EN ISO 19458. The chrome-plated brass version is suitable for installation in all standard angle valves with 10 mm outgoing connection pipe in the direction of the tap, for taking a sample of the cold or hot water near the tap.

Operating temperature	up to 90 °C
Max. operating pressure	10 bar

Certification	DVGW, SVGW, PZH



Aquastrom P water sampling valve

Nominal size	Item No.
DN 8	4209102
DN 10	4209103



Aquastrom P water sampling valve

For mounting on angle valves.

Nominal size	Item No.
DN 10	4209202

4.1 Products for the preservation of potable water hygiene

DynaTemp system solutions for monitoring and automation **534**

DynaTemp CW-BS Thermal balancing in potable water circulation systems..... 535

DynaTemp CW-BS Thermal balancing in potable water circulation systems

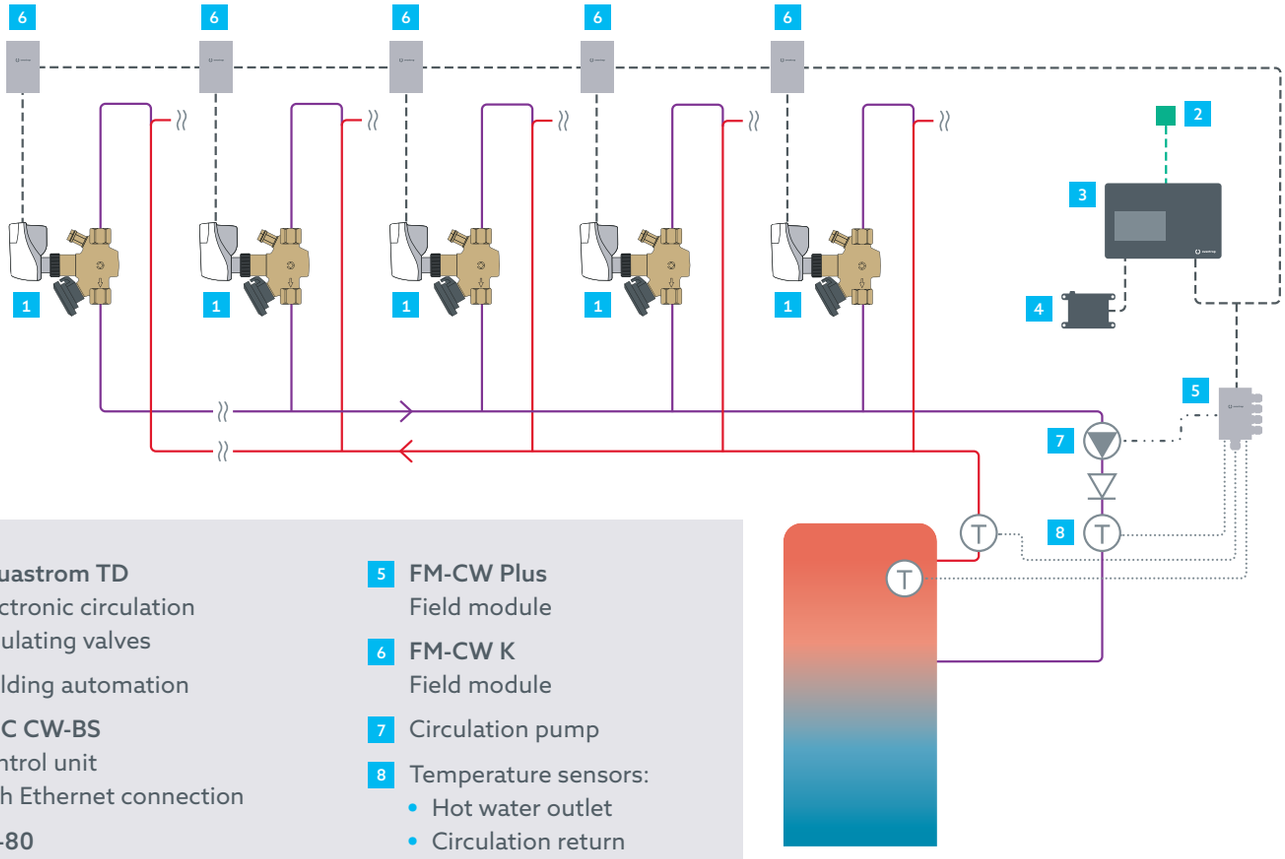


The DynaTemp CW-BS control unit offers a system solution for maintaining potable water hygiene in large buildings such as hospitals, retirement homes or multiple dwellings by monitoring and controlling the potable water circulation temperature in accordance with DVGW.

In addition to maintaining hygiene, thermal disinfection can also be carried out temporarily. In this case, the potable water temperature is first increased by a start signal to the heat generator. Then the pipelines of the circulation system are sequentially brought to the set disinfection temperature.

For monitoring and visualisation tasks or to trigger warnings, the DDC can be integrated into an existing building automation.

Note:
The FM-CW Plus field module (item no. 1153321) is required at least once per system, the Sensor LW TQ (item no. 1150090) is required at least three times per system.



1 **Aquastrom TD**
Electronic circulation regulating valves

2 Building automation

3 **DDC CW-BS**
Control unit with Ethernet connection

4 **TR-80**
Transformator

5 **FM-CW Plus**
Field module

6 **FM-CW K**
Field module

7 Circulation pump

8 Temperature sensors:
- Hot water outlet
- Circulation return
- Storage cylinder temperature



DDC CW-BS Control unit

For thermal balancing of potable water circulation systems. With BACnet IP interface and integrated user interface via web server.

Operating/bus voltage	24 V AC V	Frequency	50 Hz

Number of field modules*	Mounting	Item No.
31	Surface mounting	1153350



Transformer

For power supply of the DDC, field modules, relay modules and circulation valves.

Designation	TR-80	Secondary power	24 V AC
Power	80 VA	Frequency	50 Hz
Primary power	230 V AC		

Item No.
1153053



Aquastrom TD with internal thread

Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5	Medium	Potable water
Setting range	40 up to 90 °C	Operating temperature	up to 90 °C
Closing force	150 N	Shutoff	Yes
Connections	Internal thread	Draining	No
Body material	Silicon bronze	Measuring connection	No
Installation location	Circulation pipe	Thermal insulation	Yes
Max. operating pressure	16 bar	Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4205004 ⁘
DN 20	Rp ¾	2.21	4205006 ⁘



Aquastrom TD with flat sealing external thread

Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5	Medium	Potable water
Setting range	40 up to 90 °C	Operating temperature	up to 90 °C
Closing force	150 N	Shutoff	Yes
Connections	External thread	Draining	No
Body material	Silicon bronze	Measuring connection	No
Installation location	Circulation pipe	Thermal insulation	Yes
Max. operating pressure	16 bar	Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4205104 ⁘
DN 20	G 1	2.21	4205106 ⁘

 Number of field modules = Connectable C-bus field modules

⁘ New in the catalogue 2026



FM-CW Plus Field module for temperature detection

With C-bus communication. Two potential-free relays can be used to switch e.g. a circulation pump, a storage cylinder loading pump, a hydraulic bypass of a service water mixing valve and a burner activation. The burner can also optionally be activated via a 0 - 10 V signal.

Voltage	24 V AC	Inputs	3 x PT 1000 temperature sensor
Potential-free relays	2	Frequency	50 Hz

Mounting	Item No.
Surface mounting	1153321



REM-CW Relay module for burner activation

Potential-free contact that is controlled via a 0 - 10 V analogue input (from the FM-CW Plus field module) and can be used for burner activation.

Voltage	24 V AC	Potential-free relay contact	NO contact (max.) 230 V, 5 A

	Item No.
	1153331

Sensor LW TQ Sensor element



Description	Item No.
For remote monitoring of the pipeline temperature and for integration into a building management system (BMS), PT 1000 sensor element, G ¼	1150090
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592

Sensor LW TH Temperature sensor

Suitable for all Oventrop controllers.



Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093
For temperature measurement and detection at collectors, PT 1000 sensor element, continuous temperature range up to 180 °C, length 2 m	1369094

Pipe contact temperature sensor

Suitable for all Oventrop controllers.



Description	Item No.
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095



Replacement FM-CW K Field module

With C-bus communication.

Description	Item No.
For the connection of the Aquastrom DT circulation regulating valve for one riser, 24 V AC, 50 Hz, surface mounting	1153301

4.1 Products for the preservation of potable water hygiene

Regudrain flushing stations 539

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Regudrain - Accessories and spare parts..... 541

Regudrain Flushing stations





Hygiene flushing station for protecting cold and hot water pipelines and for maintaining the intended operation in potable water installations, e.g. in the event of interruptions in use.
For installation at the end of the pipeline or in ring installations.

Flushing pipeline with solenoid valve and volume flow sensor, with shutoff facility. Bracket for pre-wall installation systems and for wall mounting. Insulation made of EPP. Regtronic HS electronic control for controlling the valves, individually programmable, with web access via LAN or WLAN and log function. Free outlet type AB according to EN 1717 for connection to the waste water network.

The stations are completely pre-assembled and leak tested.

2018 2019 2018

Nominal size	DN 15
Connection potable water circuit	G ¾ external thread, flat sealing
Length	527 mm
Width	300 mm
Height	100 mm
Centre distance potable water circuit	190 mm
Mounting	Wall
Volume flow sensor	Yes
Thermal insulation	Yes

Material thermal insulation	Expanded polypropylene (EPP)
Additional controller functions	Yes
Min. operating temperature	5 °C
Max. operating temperature	90 °C
Min. operating pressure	1 bar
Max. operating pressure	10 bar
Certification	DVGW, SVGW

Regudrain Uno with one flushing pipeline



System*	Item No.
One pipe	4207004

Regudrain Duo with two flushing pipeline



System*	Item No.
Two pipe	4207005

Regudrain - Accessories and spare parts



Extension set Duo

For extending the one pipe version by a second flushing pipeline.

Description	Item No.
With fixing material	4207094



Sensor LW TQ Sensor element

Description	Item No.
For remote monitoring of the pipeline temperature and for integration into a building management system (BMS), PT 1000 sensor element, G ¼	1150090



Humidity sensor

To indicate leaks or blocked drains.

Description	Item No.
2 m	4207099



Temperature sensor

Description	Item No.
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095



Sensor cable

For connecting the sensors item no. 1150090, 1369095 and 4207099 to the Regudrain flushing stations.

Description	Item No.
For Regudrain, 1.5 m	4207098



Revision frame ready for tiling, made of aluminium, infinitely adjustable

Description	Item No.
For Regudrain, from 200 mm x 350 mm to 520 mm x 620 mm, with fixing material	4207090



Surface-mounted bonnet, white, made of galvanised steel

Description	Item No.
For Regudrain, W 315 mm x H 472 mm x D 108 mm	4207091



Replacement flush valve

Description	Item No.
With volume flow sensor, flow controller and jet regulator, 24 V DC	4207092



Replacement siphon

Description	Item No.
For Regudrain	4207093



Replacement jet regulator

Description	Item No.
For Regudrain flush valve	4207097



Replacement flow controller

Description	Item No.
For Regudrain flush valve, set with versions 5 l/min, 7 l/min and 11 l/min	4207096

4.2 Shutoff valves and other products for potable water

Optibal Ball valves for potable water **545**

Optibal TW Ball valves for potable water..... 546
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4.2 Shutoff valves and other products for potable water

Optibal Ball valves for potable water 545

Optibal TW Ball valves for potable water..... 546
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Optibal TW Ball valves for potable water



Ball valve for potable water installations with reduced flow in accordance with DIN EN 13828 and without dead space. The ball is always surrounded by water.

Body made of low-lead brass, ball chrome-plated, maintenance-free spindle sealing by double O-ring made of EPDM. With extended plastic handle and G ¼ connection for drain valve or water sampling valve. Available with internal thread in accordance with EN 10226-1 or flat sealing external thread in accordance with DIN ISO 228 on both sides.

The ball valve is opened/closed with a 90° turn of the handle. The handle shows the respective switching position.

Body material	Brass, low-lead
Surface	Untreated
Installation location	Supply or return
Type of construction	Reduced flow
Shutoff	Yes

Operating temperature	up to 90 °C
Pressure rating	PN 10
Medium	Potable water
Certification	DVGW



Optibal TW with internal thread

Connections	Internal thread

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	23.00	1078804
DN 20	Rp ¾	36.00	1078806
DN 25	Rp 1	62.00	1078808
DN 32	Rp 1 ¼	79.00	1078810
DN 40	Rp 1 ½	124.00	1078812
DN 50	Rp 2	178.00	1078816



Optibal TW with flat sealing external thread

Connections	External thread

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	23.00	1078904
DN 20	G 1	36.00	1078906
DN 25	G 1 ¼	62.00	1078908
DN 32	G 1 ½	79.00	1078910

Optibal TW - Accessories and spare parts



Thermal insulation shell

The thermal insulation shell complies with the German Energy Saving Ordinance (EnEV) and fire protection requirements of building material class B1 according to DIN 4102.

Description	Item No.
For Optibal TW DN 15	4208881
For Optibal TW DN 20	4208882
For Optibal TW DN 25	4208883
For Optibal TW DN 32	4208884
For Optibal TW DN 40	4208885
For Optibal TW DN 50	4208886



Thermometer conversion set

Description	Item No.
For Optibal and Optibal TW DN 10 and DN 15 (manufactured from 2024)	1077181
For Optibal and Optibal TW DN 20 and DN 25 (manufactured from 2024)	1077182
For Optibal and Optibal TW DN 32 to DN 50 (manufactured from 2024)	1077183
For Optibal P DN 25 and DN 32 and Optibal TW DN 20 and DN 25 (manufactured until 2024)	1078382
For Optibal TW DN 32 to DN 50 (manufactured until 2024)	4208893



Aquastrom P Water sampling valve

Certification	DVGW, SVGW, PZH

Description	Item No.
DN 8, PN 10, bronze/stainless steel	4209102



Drain valve for hose connection

Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593



Drain valve

Description	Item No.
DN 8, G ¼ external thread, with rotatable outlet for ⅜ hose	4209602



Drain ball valve

Description	Item No.
DN 8, G ¼ external thread	4200191

4.2 Shutoff valves and other products for potable water

Aquastrom Free-flow and KFR valves 549

Aquastrom F/KFR - Spare parts..... 550

Aquastrom F/KFR - Spare parts



Replacement insert

Description	Item No.
For Aquastrom F, DN 15, bronze	4209004
For Aquastrom F, DN 20, bronze	4209006
For Aquastrom F, DN 25, bronze	4209008
For Aquastrom F, DN 32, bronze	4209010
For Aquastrom F, DN 40, bronze	4209012
For Aquastrom F, DN 50, bronze	4209016
For Aquastrom F, DN 65, bronze	4209020
For Aquastrom F, DN 80, bronze	4209024
For Aquastrom KFR, DN 15, bronze	4209504
For Aquastrom KFR, DN 20, bronze	4209506
For Aquastrom KFR, DN 25, bronze	4209508
For Aquastrom KFR, DN 32, bronze	4209510
For Aquastrom KFR, DN 40, bronze	4209512
For Aquastrom KFR, DN 50, bronze	4209516



Replacement valve insert

Description	Item No.
For Aquastrom UP-F, DN 15 / DN 20 (manufactured until 2016)	4220190
For Aquastrom UP-F, UP-MS, DN 25 / DN 32	4220191
For Aquastrom UP-KFR, DN 15 / DN 20	4221090
For Aquastrom UP-F and UP-MS, DN 15	4223191

4.2 Shutoff valves and other products for potable water

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Multidis R and domestic water stations - Spare parts 553

Drain valves



Optiflex with external thread

Description	Certification	Item No.
DN 15, G ½ external thread, DVGW certified	DVGW	1033152



Drain valve for hose connection

Description	Item No.
DN 8, G ¼ external thread, with outlet for ⅜ hose	4205593



Drain ball valve

Description	Item No.
DN 8, G ¼ external thread	4200191



Drain valve

Description	Item No.
DN 8, G ¼ external thread, with rotatable outlet for ⅜ hose	4209602
DN 10, G ⅜ external thread, with rotatable outlet for ⅜ hose	4209603
DN 15, G ½ external thread, with rotatable outlet for ⅜ hose	4209604

Multidis R and domestic water stations - Spare parts



Spare parts for domestic water station

Description	Item No.
Replacement pressure reducer insert	4204590
Replacement filter insert 100 µm	4204591
Replacement pressure gauge, DN 20 - DN 32	4204593



Replacement insert

Description	Item No.
For Multidis R with shutoff	4200590

4.2 Shutoff valves and other products for potable water

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Bypass mixing valves - Spare parts..... 557

Aquanova Water filters - Spare parts



Replacement filter insert

Description	Item No.
For Aquanova Compact, mesh size 100 - 120 µm, one-piece	6120591
For Aquanova Magnum, mesh size 80 - 120 µm, with support body, multi-piece, for industrial applications	6125100
For Aquanova Magnum, mesh size 95 - 140 µm, one-piece	6125101
For Aquanova Magnum, mesh size 250 - 280 µm, with support body, multi-piece, for industrial applications	6125161
For Aquanova Magnum, mesh size 800 - 1000 µm, with support body, multi-piece, for industrial applications	6125163



Replacement filter stocking

Filter stockings can only be used with multi-piece filter inserts. If required, order support body and collar separately.

Description	Item No.
For Aquanova Magnum, mesh size 80 - 120 µm	6125300
For Aquanova Magnum, mesh size 250 - 280 µm	6125361
For Aquanova Magnum, mesh size 800 - 1000 µm	6125363



Replacement support body with collar

Description	Item No.
For Aquanova Magnum	6125200



Replacement filter cup

Description	Item No.
For Aquanova Compact, transparent plastic cup made of Trogamid T	6120581
For Aquanova Magnum, transparent plastic cup made of Trogamid T	6125400



Replacement pressure gauge

Description	Item No.
For Aquanova water filters, DN 6, G ⅛ external thread, set = 2 pieces	6127000

Replacement union nut



Description	Item No.
For Aquanova Magnum, for mounting the filter cup	6125000

Replacement O-ring

For mounting the filter cup.



Description	Item No.
For Aquanova Compact	6120595
For Aquanova Magnum	6126000

Special key

For loosening the filter cup.



Description	Item No.
For Aquanova Magnum	6124000
For Aquanova Compact	6124100

Bypass mixing valves - Spare parts



Replacement insert

Description	Item No.
For bypass mixing valve DN 25, for setting large flow rates	6101053
For bypass mixing valve DN 25 / DN 32, for setting small flow rates	6102051
For bypass mixing valve DN 32, for setting large flow rates	6102053
For bypass valve and bypass mixing valve DN 25 (manufactured from 2004)	6109552



Replacement regulating insert

Description	Item No.
For bypass mixing valve DN 50, with diaphragm and spring	6109152



Replacement regulating screw

Description	Item No.
For bypass mixing valve DN 50, for setting small flow rates	6109851


oventrop
Einbaudatum:
Date of installation:
Date de montage :
Rücklauf
Return
Retour

Oil

5

5 Oil

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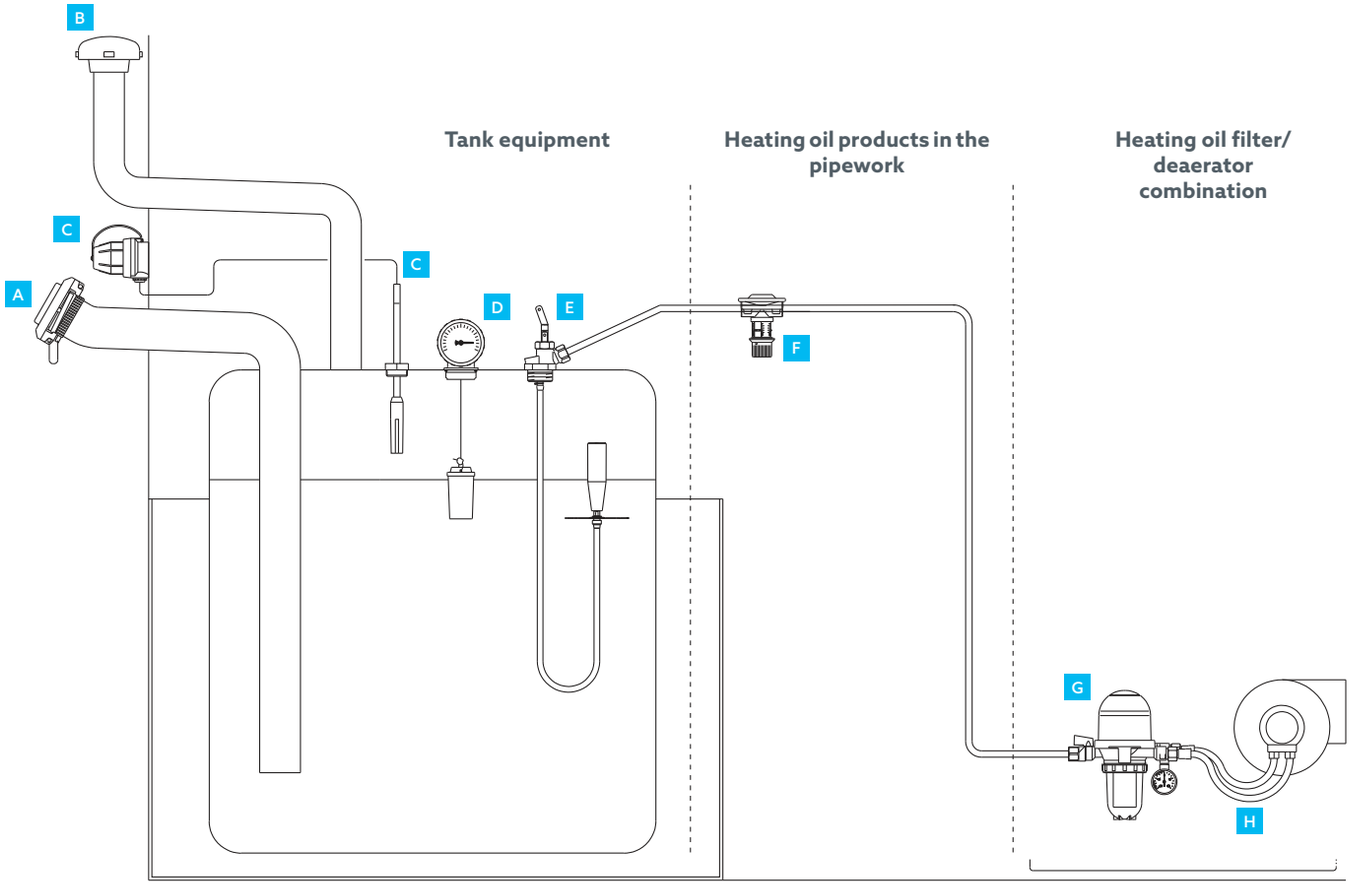
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Example of a one pipe system



- A Tank inlet cap
- B Vent cap
- C Tank filling limiter
- D Tank level indicator
- E Tank extraction
- F Siphon protection
- G Heating oil filter/deaerator combination with vacuum pressure gauge
- H Burner hoses

Other components:

- Connection elements for connecting the components to the pipework
- Shut-off device (in the suction pipe, if the shut-off device on the tank is not directly accessible or can be operated with a ripcord)
- Change-over valve (if there is more than one tank)

The one pipe system:

There is only one oil pipe from the tank to the filter. The oil flow rate corresponds to the nozzle capacity, i.e. only approx. 1 litre of heating oil per hour is consumed for every 10 kW of heat output. The oil pipe to the tank should be designed accordingly small.

One pipe systems with return flow feed: There are usually two lines from the heating oil filter or heating oil deaerator to the burner pump. The burner pump delivers more oil than is burned. The excess is fed back to the pump via the heating oil filter or heating oil deaerator.

One pipe system (without return flow feed): There is only one pipe from the heating oil filter to the burner pump. Since the burner pump delivers more oil than is burnt, the pump must have an internal overflow or return flow feed. This installation is rare.

The two pipe system:

There are two oil pipes from the tank to the burner pump. The oil flow rate corresponds to that of the burner pump. This system must be converted to a one-pipe system, as damage to the return pipe can lead to oil leakage. An anti-siphon valve only protects the suction or supply pipe.

Recommendations regarding the conversion of an existing two pipe system to a one pipe system:

– The suction pipe should be re-routed in the appropriate, smaller dimension, as the oil flow rate is usually considerably lower. Disturbances as a result of occasional air accumulations are thus avoided. According to DIN 4755, the flow velocity should be approx. 0.2 to 0.5 m/s.
Observe the notes on this in the installation instructions and data sheets.

– The installation of a heating oil deaerator, e.g. a Toc-Duo-3 heating oil filter and heating oil deaerator combination.
Note: A two pipe filter cannot be used as one pipe filter with return flow feed!

a. Old oil pipes should be removed.

Note regarding liquid fuels:

b. Heating oil is a liquid fuel that is produced from fossil mineral oil. In order to conserve fossil deposits, liquid fuels, e.g. from renewable raw materials, can be added to the heating oil.
This admixture - "alternative proportions" or "bio oils" - is, for example: Bio diesel (= FAME = fatty acid methyl ester).
c. The fatty acids contained in bio oils can damage the seals and hoses that were common in the past.
d. Old oil fittings can generally be used for a bio proportion of up to 5 %. New oil fittings are generally designed for a bio proportion of 30 % and more. Observe the respective product-specific instructions and the following resistance table.

Recommendation when switching to "bio heating oil" (low-sulphur heating oil with organic content):

– The one pipe system is highly recommended for oil installations.

– Check remaining old construction components to see if they are suitable for the planned bio proportion and replace if necessary.

– Before filling, the heating oil in the tank should be used up.

– Tank cleaning with disposal of the residual oil is recommended.

– Filter inserts with a large filter surface area should be used, e.g.: "opticlean". This applies especially if no tank cleaning has been carried out.

e. Reasons:
– Bio proportions (FAME) can dissolve existing deposits, these can block filter inserts.

– Back flowing oil in two pipe systems can adversely affect the shelf life of the stored product.

– The mixture of used and fresh low-sulphur heating oil may cause corrosion of the burner's flame tubes ("metal dusting").



Oil fittings Resistance to liquid fuels		Heating oil (diesel)			Paraffinic[3] fuels	
		EL heating oil (diesel)	Bio heating oil with up to 30% FAME [2]	Bio heating oil with up to 100% FAME [2]	HVO [4], GtL [5], PtL [6]	Mixtures with EL heating oil [3]
Heating oil filter and heating oil deaerator combinations	Toc-Duo-3	●	●		●	●
	Toc-Duo-3 metal version	●	●	●	●	●
Heating oil deaerators	Toc-Uno	●	●		●	●
Heating oil filters	Oilpur E, EA, EAR for one pipe systems	●	●		●	●
	Oilpur E, EA, EAR for one pipe systems with metal cup	●	●	●	●	●
	Oilpur ZA for two pipe systems [1]	●			●	●
Filling spouts	Brass	●	●	●	●	●
Tank level indicators	Mechanical	●	●			
Tank extraction systems	Flexo-Bloc [1]	●	●		●	●
	Flexo-Bloc with tank filling limiter [1]	●	●		●	●
Anti-siphon valves	Oilstop V	●	●		●	●
	Oilstop MV	●	●	●	●	●
Fittings, valves		●	●		●	●
Burner hoses		●	●		●	●

1 Two pipe systems should not be operated with admixtures of FAME. FAME can adversely affect the shelf life of the stored product.

2 FAME = Fatty Acid Methyl Ester
Paraffin is a natural component of heating oil.
Paraffins can also be produced synthetically.

3 HVO = Hydrogenated vegetable oil

4 GtL = Gas to Liquid = Synthetic liquid fuel from gas (methane)

5 PtL = Power to Liquid = Synthetic liquid produced from renewable electrical energy via electrolysis of water and other process steps.

Resistance to liquid fuels according to the manufacturer's current state of knowledge.
Approvals and product documentation may contain different information.
Standards, testing and certification bases are gradually being updated.

Toc Heating oil filter / deaerator combinations and heating oil deaerators



Toc heating oil deaerators are used in oil firing systems (suction operation) that are operated as one pipe system with return flow feed. A return pipe to the tank is not necessary. The **Toc** supports a trouble-free oil supply to the burner by a high venting capacity. Pure heating oil deaerators (**Toc-Uno**) as well as heating oil filter/heating oil deaerator combinations (**Toc-Duo-3**) are available.

The installation is permitted below and above the oil level.

A wall bracket is included in the scope of delivery.

All **Toc-Uno** and **Toc-Duo** can be used for heating oils with alternative additives or organic-content. For details, see the resistance table.

The tank side connection G ⅜ internal thread is suitable for OV compression fittings 6, 8, 10 and 12 mm.

Nominal size	DN 10
System*	One pipe with return flow feed
Body	Metal
Max. nozzle capacity (heating oil)	110 l/h
Max. flow of returned oil (heating oil)	120 l/h
Min. venting capacity (air)	6 l/h
Declaration of compliance	ÜHP



Toc-Duo-3 Heating oil filter and heating oil deaerator combination

Connection tank side	G ⅜ internal	Filter element	Yes
Shutoff	Yes		

Connection burner side	Cap*	Cup*	Filter*	Mesh size* (µm)	Pressure gauge*	Item No.
G ⅜ external	Plastic transparent	Plastic transparent	Sintered plastic	25-40	No	2142732
G ⅜ external	Plastic transparent	Plastic transparent	Sintered plastic	25-40	Yes	2142762
G ¼ internal	Plastic transparent	Plastic transparent	Sintered plastic	50-75	No	2142700
G ⅜ external	Plastic transparent	Plastic transparent	Paper	5-20	No	2142735
G ⅜ external	Metal	Metal	Paper	5-20	Yes	2152754



Toc-Uno Heating oil deaerator

With hose G ⅜ union nut x G ¼ external thread (does not apply to item no. 2142901).

Connection tank side	G ¼ internal	Shutoff	No
Cap*	Plastic transparent	Filter element	No

Connection burner side	Hose length (mm)	Item No.
G ¼ internal	-	2142901
G ⅜ external	300	2142951
G ⅜ external (brass)	300	2142900

5.1

Cap = Material deaerator cap
Cup = Material filter cup
Filter = Material filter element
Mesh size = Mesh size filter element
System = Pipe system
Pressure gauge = Vacuum pressure gauge

Oilpur Heating oil filters



Oilpur heating oil filters are used in oil firing systems that are operated as one pipe system with or without return flow feed or as two pipe system. Filters with plastic cups are generally only approved for suction operation, metal filter cups and filter cartridges are also approved for pressurised systems and are available optionally or as accessories.

Oilpur heating oil filters with shutoff valves are supplied with a mounting bracket.

All **Oilpur** heating oil filters can be used for heating oils with alternative additives or an organic content. For details, see the resistance table.

The tank side connection G ⅜ internal thread is suitable for OV compression fittings 6, 8, 10 and 12 mm.

Cup*	Plastic transparent	Filter element	Yes
Body	Brass	Declaration of compliance	ÜHP



Oilpur E A with shutoff for one pipe systems

The heating oil filters with G ⅜ internal thread on the tank side can be connected with Oventrop compression fittings 6, 8, 10 or 12 mm. The compression fittings must be ordered separately.
Item no. **2123871**: long model **Magnum**

Nominal size	Connection tank side	Connection burner side	Filter*	Mesh size* (µm)	Item No.
DN 10	G ⅜ internal	G ⅜ internal	Sintered plastic	50-75	2123261
DN 10	G ⅜ internal	G ⅜ external	Sintered plastic	50-75	2123561
DN 10	G ⅜ internal	G ⅜ internal	Stainless steel	100-150	2123103
DN 15	G ½ internal	G ½ internal	Stainless steel	100-150	2123104



Oilpur E A R with shutoff for one pipe systems with return flow feed

Venting	Yes, manually

Nominal size	Connection tank side	Connection burner side	Filter*	Mesh size* (µm)	Item No.
DN 10	G ⅜ internal	G ⅜ internal	Sintered plastic	50-75	2122261
DN 10	G ⅜ internal	G ⅜ external	Sintered plastic	50-75	2122561
DN 10	G ⅜ internal	G ⅜ internal	Stainless steel	100-150	2122103
DN 15	G ½ internal	G ½ internal	Sintered plastic	50-75	2122262
DN 10	G ⅜ internal	G ⅜ external	Stainless steel	100-150	2122403



Oilpur E without shutoff for one pipe systems

The heating oil filters with G ⅜ internal thread on the tank side can be connected with Oventrop compression fittings 6, 8, 10 or 12 mm. The compression fittings must be ordered separately.

Nominal size	Connection tank side	Connection burner side	Filter*	Mesh size* (µm)	Item No.
DN 8	G ¼ internal	G ¼ internal	Sintered plastic	50-75	2124360
DN 10	G ⅜ internal	G ⅜ internal	Stainless steel	100-150	2124203

Cup = Material filter cup
Filter = Material filter element
Mesh size = Mesh size filter element



Oilpur ZA with shutoff for two pipe systems

The heating oil filters with G ⅜ internal thread on the tank side can be connected with Oventrop compression fittings 6, 8, 10 or 12 mm. The compression fittings must be ordered separately.

Nominal size	Connection tank side	Connection burner side	Filter*	Mesh size* (µm)	Item No.
DN 10	G ⅜ internal	G ⅜ internal	Sintered plastic	50-75	2120261
DN 10	G ⅜ internal	G ⅜ external	Sintered plastic	50-75	2120561
DN 10	G ⅜ internal	G ⅜ internal	Stainless steel	100-150	2120103
DN 10	G ⅜ internal	G ⅜ external	Stainless steel	100-150	2120403
DN 15	G ½ internal	G ½ internal	Stainless steel	100-150	2120104

Cup = Material filter cup
Filter = Material filter element
Mesh size = Mesh size filter element

Heating oil filters/Heating oil deaerators - Accessories and spare parts



Filter insert

Suitable for Toc-Duo-3 heating oil filter and heating oil deaerator combination and Oilpur heating oil filters.
The filter inserts have a bayonet catch and are interchangeable, taking into account the size of the filter cups (except for filter cartridge PN 10).

The finer Siku filter inserts (25-40 µm) can be recognized by the red bayonet.

Description	Item No.
Sika 0, sintered bronze, 50 – 100 µm	2126051
Stainless steel 100 – 150 µm	2126100
Siku, sintered plastic, 50 – 75 µm	2126300
Siku, sintered plastic, 25 – 40 µm	2126354
Siku, sintered plastic, 50 – 75 µm, for Magnum	2126355
Siku, sintered plastic, 25 – 40 µm, for Magnum	2126371
Filter cartridge PN 10, paper in metal cartridge, 25 µm	2126400
opticlean MC-7, paper, 5 – 20 µm	2126454
opticlean MC-18, paper, 5 – 20 µm, long	2126474
opticlean MX-11, paper, ~2 µm, long	2126484



Filter cup

Transparent cups made of plastic are only to be used for suction operation.

Description	Item No.
Transparent cup made of plastic, also suitable as replacement for Toc-Duo-3	2126751
Transparent cup made of plastic, for Magnum	2126755
Transparent cup made of plastic, for opticlean, long	2126774
Metal cup PN 16	2126754
Transparent cup made of plastic for Oilpur small heating oil filter and condensate collectors	2129102
Brass cup for pressurised systems PN 6, for Oilpur small heating oil filter and condensate collectors	2129152

O-ring and sealing ring



Description	Item No.
O-ring for Toc-Duo-3 and Oilpur	2166500
Sealing ring for small heating oil filter and condensate collector	2129200



Magnum Conversion set

Not suitable for opticlean MC-18 and MX-11, long.

Description	Item No.
Filter cup Magnum with filter insert made of sintered plastic 50-75 µm and O-ring	2120891



Vacuum pressure gauge

Vacuum pressure gauges are used to check the filter contamination. They are installed directly behind the filter in the suction line to the burner. The indicator can be positioned as required.

Description	Item No.
With connection piece, filter side G ⅜ union nut, burner side G ⅜ with internal cone	2120585



Adapter

Description	Item No.
For retrofitting the filter cartridge (item no. 2126400)	2120691



Union nut

Description	Item No.
Made of metal, painted black for Oilpur heating oil filters and Toc-Duo-3 heating oil filter and heating oil deaerator combinations	2126600



Tool

Description	Item No.
Multi-purpose spanner for loosening the union nut of Oilpur heating oil filters and Toc-Duo-3 heating oil filter and heating oil deaerator combinations	2126691
Filter cartridge tool, for loosening the filter cartridge item no. 2126400 from the adapter	2126695



Vent hose, 10 m

Description	Item No.
With hose nozzle for Toc-Duo-3 and Toc-Uno for the discharge of outgassing	2142990

Replacement mounting bracket



Description	Item No.
Mounting bracket for Oilpur heating oil filters DN 10	2126803
Mounting bracket for Oilpur heating oil filters DN 15	2126804
Bracket with screws for Toc-Duo-3 and Toc-Uno	2142992

Replacement handwheel



Description	Item No.
For Oilpur heating oil filters DN 8 and DN 10	2126951
For Oilpur heating oil filters DN 15	2126952

5.1 Products for heating oil installations

Tank equipment for oil heating technology **573**

Filling and fill level 574
Products for vacuum tank monitoring 575
Flexo-Bloc Tank extraction systems 576
Tank extraction 578

Filling and fill level



Fittings for safe filling and for level detection. Tank caps ensure a secure closure and connection of the filling hose to the filling pipe of the tank. Tank caps with bayonet according to EN 14420 part 6 (or part 8 for France) are recommended for a direct connection of the filling hose of the tank vehicle. Tank caps with screw connection provide a secure hold for adapter pieces.

Mechanical and pneumatic tank level indicators are available for determining the fill level.



Screwed tank cap

Nominal size	Connection tank side	Connection filling spout	Material	Item No.
DN 50	Rp 2	G 2 ½	Brass	2010153



Tank cap with bayonet catch

Item no. 2010882 with green cap for “low-sulphur heating oil”.

Nominal size	Connection tank side	Connection filling spout	Material	Types (according to EN 14420-6)	Item No.
DN 50	G 2 internal	DN 50	Brass	VK 50 + MB 50	2010816
DN 50	Rp 2	DN 50	Brass	VK 50 + MB 50	2010851

Tank inlet cap

Item no. 2018182 green lacquered for “low-sulphur heating oil”.



Connection filling spout	Material	Types (according to EN 14420-6)	Item No.
G 1 ¼	Brass	-	2018090
G 2 ½	Brass	-	2018093
DN 50	Brass	MB 50	2018192



Tank level indicator

Description	Item No.
Mechanical, G 1 ½, infinitely adjustable, for tank heights 0 - 200 cm, odour-proof	2060312
Pneumatic, infinitely adjustable, for tank heights 100 - 300 cm, max. measuring line length 50 m, connection pipe diameter 6 mm, scale graduated in %	2060400

Products for vacuum tank monitoring



Liquid safety device

For the suction and measuring line, lower connection G ⅜ internal thread and G ½ external thread, upper connection M 18 x 1.5 mm with ball cone for hose connection.
Only for holders of a type approval.

Description	Item No.
Lower connection G ⅜ internal thread and G ½ external thread, upper connection M 18 x 1.5 mm	2073051
With condensate collector and bracket for mounting on the dome cover, hose connections 4 and 6 mm	2073161



Elbow with locknut and two seals

For passing through the suction and measuring line.

Description	Item No.
With outer hose connections 4 and 6 mm, hose connection in the tank 6 mm	2074061
As above, but extended with copper pipe, outer hose connections 4 and 6 mm, hose connection in the tank 6 mm	2074261



Spacer plate

Is required if the hose line is not routed to the bottom of the tank.

Description	Item No.
With inner fixing possibility of the elbows item no. 2074061 und 2074261	2076200

Flexo-Bloc Tank extraction systems



The **Flexo-Bloc** tank extraction devices combine suction opening with spacer foot, suction hose, tank and pipe connections, backflow preventer and quick shutoff in one device. The **Flexo-Bloc** is also available with a level indicator pipe (for pneumatic tank level indicators), floating suction or tank filling limiter. Pipe connection for supply pipe and partly for return pipe available.
The suction hose is suitable for tank heights up to 2 m and up to 3 m.

The G ⅜ internal thread on the burner side is suitable for OV compression fittings 6, 8, 10 and 12 mm.

Nominal size	DN 10	Shutoff	Yes
Pipe connection	G ⅜ internal	Check valve	Yes
Material	Brass		



Flexo-Bloc

Export models 2053051-2053354:
The export versions comply with German regulations when brass compression fittings are used.

Connection tank side	Tank height up to *(mm)*	Plastic compression fitt.*	Return connection	Compression fitting	Declaration of compliance	Item No.
G 1 external	2,000	-	Yes	10 and 12 mm (brass)	ÜHP	2052151
G 1 external	3,000	-	Yes	10 and 12 mm (brass)	ÜHP	2052152 °
G 1 ½ external thread	2,000	-	Yes	10 and 12 mm (brass)	ÜHP	2052153
G 1 ½ external thread	3,000	-	Yes	10 and 12 mm (brass)	ÜHP	2052154 °
G 1 external	2,000	6 and 8 mm	No	-	-	2053353
G 1 external	3,000	6 and 8 mm	No	-	-	2053354
G 2 external	2,000	6 and 8 mm	No	-	-	2053351
G 2 external	2,000	8, 10 and 12 mm	Yes	-	-	2053051



Flexo-Bloc with tank filling limiter

Tank filling limiter with fitting for wall mounting, cable length approx. 5 m.

Tank height up to	2,000 mm	Probe length	385 mm
Type	21301	Compression fitting	10 and 12 mm (brass)
Return connection	Yes	Proof of usability	CE

Connection tank side	Item No.
G 1 ½ external thread	2052351

Plastic compression fitt. = Compression fitting made of plastic

° Production will be discontinued



Flexo-Bloc with floating suction

With floating suction, the permanent heating oil extraction takes place approx. 4 - 6 cm below the oil level. This means that only the cleanest heating oil is extracted.

Tank height up to	2,000 mm	Declaration of compliance	ÜHP
Return connection	No		

Connection tank side	Item No.
G 1 external	2052053
G 1 ½ external thread	2052051

Tank extraction

Conversion set



Description	Item No.
For converting Flexo-Bloc tank extraction devices to floating suction up to 3 m tank height	2052091

5.1 Products for heating oil installations

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Oilstop Anti-siphon valves..... 580
Pipeline valves..... 581
Ofix-Oil Compression fittings..... 582
Ofix-Oil Cutting ring compression fittings..... 583
Ofix-Oil Double threaded fittings..... 584
Hose lines according to DIN EN ISO 6806..... 585

Oilstop Anti-siphon valves



Oilstop siphon protection valves or anti-siphon valves and solenoid valves are used as safety devices in oil pipes according to DIN 4755 to prevent the contents of the tank from leaking.

Siphon protection valves must be installed in the suction line above the maximum permissible tank level before it reaches a lower level.
Both valves have a general type approval (AbZ) and are pressure-balanced in the direction of the tank.



Oilstop V Diaphragm anti-siphon valve

Declaration of compliance Ü (abZ: Z-65.50-305),
G ⅜ internal thread for Oventrop compression fittings 6, 8, 10 and 12 mm, protection heights infinitely adjustable from 1 m to 4 m, lead sealable, venting function for initital operation, with shutoff facility, permissible ambient temperature -25 °C to +60 °C, max. oil flow rate 200 l/h.

Description	Item No.
Oilstop V Diaphragm anti-siphon valve	2104203



Oilstop MV Solenoid valve

Declaration of compliance Ü (abZ: Z-65.50-456),
G ⅜ internal thread, protection height up to 3 m, "normally closed" (NC), ~230 V, 50 Hz, protection category IP 65, max. oil flow rate 100 l/h.

Description	Item No.
Oilstop MV Solenoid valve	2104553

Pipeline valves



Shutoff valve

Straight needle valve made of brass, for pipework PN 16. For use with mineral, heating and hydraulic oils as well as air PN 6.
The valve can also be used for bio-heating oils, details see the resistance table.

Nominal size	Item No.
DN 8	2091002



Double change-over valve

Double change-over valve (with forced change-over) for the connection of two storage tanks in two pipe operation to one point of consumption. By flipping the lever, the supply and return pipe of one tank is shut off and the supply and return pipe of the other tank is released. The fitting can also be used for bio-heating oils, for details, see the resistance table.

Temperature range: 0 °C to 60 °C
Pressure range: -0.6 bar to 10 bar

Description	Item No.
Ball valve design, brass, connections G ⅜ internal thread (6 x)	2103260

Ofix-Oil Compression fittings



Ofix-Oil Connection set 2-fold

Brass compression fittings for Oventrop oil fittings DN 10 (except for Oilstop MV). Support sleeves must be used for copper pipes.

Set consisting of two compression fittings.

Size connection 1	Size connection 2	Item No.
⅜	6 mm	2127050
⅜	8 mm	2127051
⅜	10 mm	2127052
⅜	12 mm	2127053

Ofix-Oil Cutting ring compression fittings

Ofix-Oil Straight screw-in fitting



Cutting ring compression fitting made of steel, galvanised with brass cutting ring. DIN 2353 series L.
Support sleeves must be used for copper pipes.

		Item No.
R ⅜	Cutting ring connection 6 mm	2083060
R ⅜	Cutting ring connection 8 mm	2083053
R ⅜	Cutting ring connection 10 mm	2083054
R ⅜	Cutting ring connection 12 mm	2083055

Ofix-Oil Brass support sleeve



Are required for laying of soft pipes with 1 mm wall thickness. Dimensions refer to outer pipe diameter.

Description	Item No.
6 mm	2083951
8 mm	2083952
10 mm	1029651
12 mm	1029652

Ofix-Oil Double threaded fittings

Ofix-Oil Double threaded fitting with internal cone on both sides

Made of brass, for connecting hose/hose



		Item No.
G ¼	G ⅜	2080050
G ⅜	G ⅜	2080051

Ofix-Oil Double threaded fitting with one internal cone

Made of brass for connecting hose/burner or fitting.



		Item No.
G ¼	G ¼	2080351
G ⅜	G ¼	2080254
G ⅜	R ⅜	2080352
G ½	R ½	2080354

Hose lines according to DIN EN ISO 6806



Up to a max. of 70 °C, the hose lines are also suitable for heating oil with "alternative additives" or an organic content of up to 30 % according to DIN SPEC 51603-6.

Hose lines with galvanised wire braiding PN 10. Flexible hose lines as connection between a solid pipeline (e.g. from the filter) and the burner or feeder unit.



Hose line, both sides G ⅜ union nut

With sealing cone.

Nominal inside diameter	Hose length *(mm)*	Item No.
8	1,000	2110053
8	1,500	2110055

5.1 Products for heating oil installations

Kits **586**

Heating oil kits for export 587

Heating oil kits for export



Heating oil filter kit for two pipe systems

Consisting of:
Oilpur Heating oil filter, both sides internal thread G ⅜, with stainless steel filter insert
Item no. 2120103

Ofix-Oil Compression fittings 8, 10 and 12 mm
Item no. 2127500

Description	Item No.
Completely packed in carton	2120153



Heating oil filter kit for one pipe systems with return flow feed

Consisting of:
Oilpur Heating oil filter, both sides internal thread G ⅜, with stainless steel filter insert
Item no. 2122103

Ofix-Oil Compression fittings 8, 10 and 12 mm
Item no. 2127700

Description	Item No.
Completely packed in carton	2122153



Heating oil filter kit for one pipe systems (without return flow feed)

Consisting of:
Oilpur Heating oil filter, both sides internal thread G ⅜, with stainless steel filter insert
Art.-Nr. 2123103

Ofix-Oil Compression fittings 8, 10 and 12 mm
Item no. 2127700

Description	Item No.
Completely packed in carton	2123153



Ofix-Oil Compression fittings for export

Plastic compression rings for metal pipes, brass pressure screw. For Oilpur heating oil filters G ⅜, Flexo Bloc and Toc-Duo-3. Not permitted in Germany.

Description	Item No.
2-fold, for 8, 10 and 12 mm pipes	2127500
1-fold, for 8, 10 and 12 mm pipes	2127700


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R-Tronic RT B
(ENOCEAN)
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Smart Home
Smart Building

6

6 Smart Home, Smart Building

6.1 Smart Home 591

Smart Home system **593**
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Smart Home - Accessories 598

Proprietary radio system **600**
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R-Tronic - Accessories 603

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6.1 Smart Home

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Proprietary radio system 600

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6.1 Smart Home

Smart Home system **593**

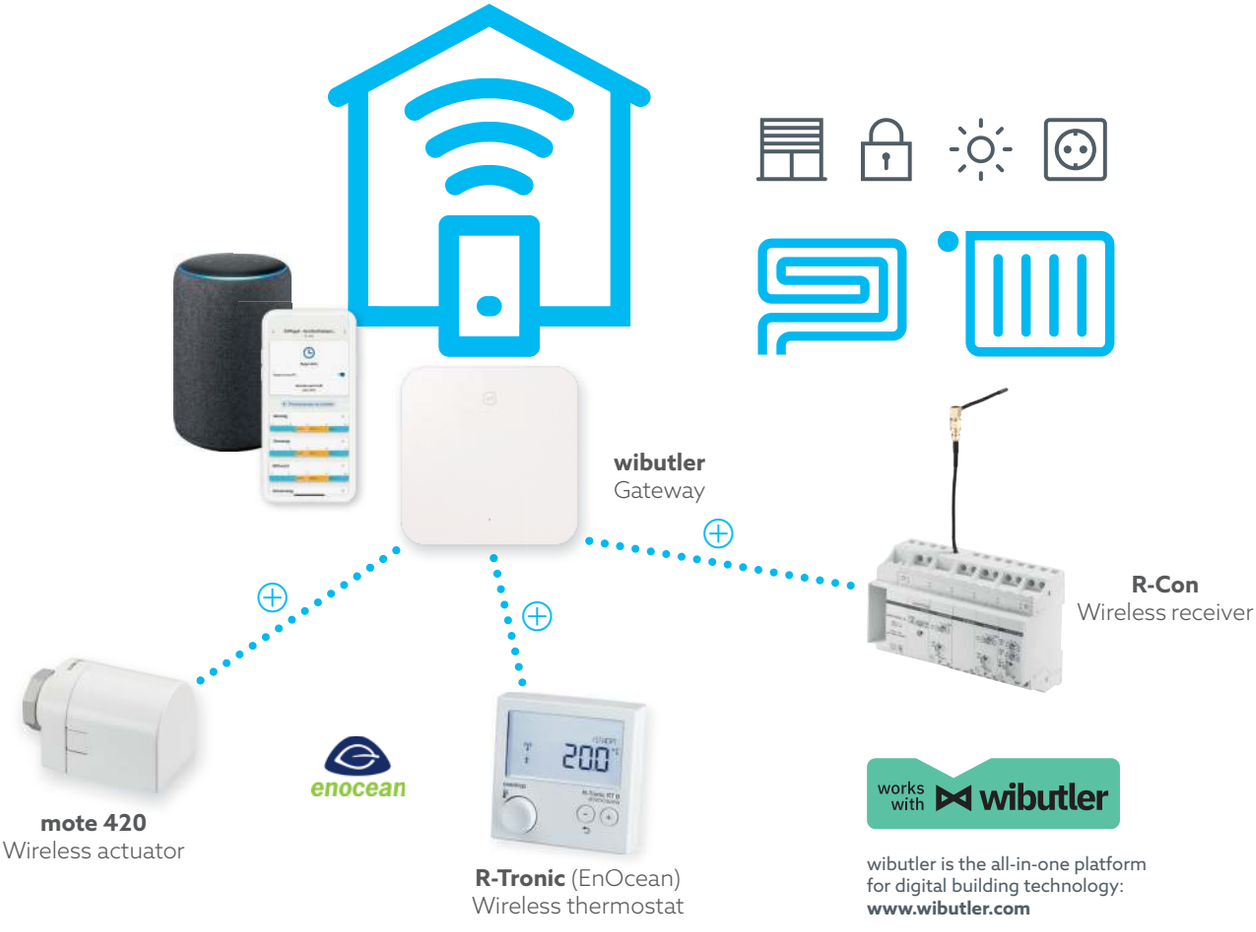
wibutler Smart Home system 594
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wibutler Smart Home system



The Smart Home sector includes the networking of several trades within individual dwellings or detached houses. By means of a gateway, various components can be integrated into the Smart Home system and controlled via smartphone, tablet or PC. By connecting the gateway to a commercially available router, remote access is easily possible while on the move.

The intelligent wibutler pro 2 gateway is the heart of the smart home. In addition to surface heating and radiators, other systems such as lighting and shading can also be integrated.



OVbalance Home Basic set - radiator with wibutler pro 2



Scope of delivery	Item No.
1 x wibutler pro 2 item no. 1150791 1 x R-Tronic RT B wireless thermostat item no. 1150780 1 x mote 420 wireless actuator item no. 1150766	1150792

wibutler

Basic set - surface heating with wibutler pro 2



Scope of delivery	Item No.
1 x wibutler pro 2 item no. 1150791 1 x R-Tronic RT B wireless thermostat item no. 1150780 1 x R-Con eight-channel wireless receiver item no. 1150772	1150793

wibutler

R-Tronic Wireless thermostat (EnOcean)



Designation	RT B (EnOcean)	Power supply	Battery-operated
Humidity sensor*	No		
Installation	Surface mounting		
Communication	EnOcean		
EEP*	A5-10-02 A5-10-03 A5-10-04 A5-10-06 A5-10-06 + RPS		

wibutler

Item No.
1150780

mote 420 Wireless actuator (EnOcean)



Only functions in combination with communication centres / gateways (e.g. with the wibutler gateway) and room thermostats supporting this EnOcean Equipment Profile.

Communication	EnOcean	Battery lifespan	About 2 years
Power supply	Battery-operated		

Valve connection	EEP*	Item No.
Connection thread M 30 x 1.5	A5-20-01	1150766

wibutler

Humidity sensor = Integrated humidity sensor
EEP = EnOcean Equipment Profile



R-Con Multi-channel wireless receiver for surface heating (proprietary radio communication)

Time programme adjustable with R-Tronic wireless thermostats. To be installed in a cabinet, the protective housing item no. 1150776 (see "R-Con Accessories") can be used alternatively.

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Logic module*	Item No.
4 (max. of 4 actuators per channel)	Yes	1150770
4 (max. of 4 actuators per channel)	No	1150771
8 (max. of 4 actuators per channel)	Yes	1150772
8 (max. of 4 actuators per channel)	No	1150773



R-Con T 2P Four-channel extension module (proprietary radio communication)

For R-Con multi-channel wireless receiver

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Item No.
4 (max. of 4 actuators per channel)	1150775



R-Con HC Extension module heating/cooling (proprietary radio communication)

For R-Con multi-channel radio receiver. For switching between heating and cooling mode via a change-over input. The change-over signal is provided e.g. by a reversible heat pump.

Voltage	230 V AC	Mounting	Carrier rail (DIN EN 60715 TH35)
Communication	Proprietary radio		

Inputs	Item No.
Dew point monitoring, cooling mode is interrupted if the dew point is exceeded	1150774



Aktor T 2P on/off control (PWM)

Version	normally closed	Mounting	Plug-in connection with valve adapter
Valve connection	Connection thread M 30 x 1.5		
Installation position	Position-independent		

Voltage	Cable* (m)	Item No.
230 V AC	1.00	1012415
24 V AC / DC	1.00	1012416

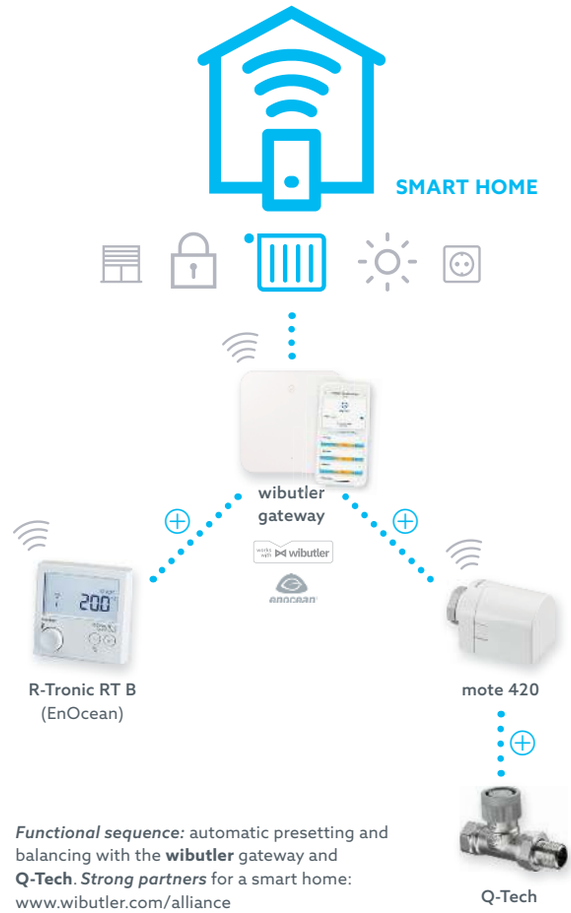
Logic module = Pump and burner logic
Cable = Cable length

Hydronic balancing with the wibutler gateway and Q-Tech in detached and semi-detached houses

AUTOMATIC PRESETTING WITH THE WIBUTLER GATEWAY

With the **wibutler** gateway and the **mote 420** wireless actuators, the automatic presetting of thermostatic valves at radiators, e.g. in detached or semi-detached houses, can be carried out from a smartphone, tablet or PC. Manual presetting at each radiator on site is therefore no longer necessary. The setup wizard enables the user to carry out the automatic presetting in a few steps via his smartphone, tablet or PC.

In addition to the room temperature control function, the calculation of the maximum required volume flow is provided in the **wibutler** gateway for each radiator. The calculation procedure is stored in the **wibutler** gateway. (Procedure according to "VdZ-Fachregel Heizungsoptimierung-Verfahren A"). The valve characteristic line of the Q-Tech thermostatic valves is integrated in the **wibutler** gateway. It is used to convert the determined volume flows for the stroke limitations of the **mote 420** actuators (only possible in conjunction with item. no. 1150766).



Functional sequence: automatic presetting and balancing with the **wibutler** gateway and **Q-Tech**. ***Strong partners*** for a smart home: www.wibutler.com/alliance

AUTOMATIC BALANCING WITH Q-TECH

The **Q-Tech** thermostatic valve keeps the volume flow required for room temperature control in the radiator constant, independent of differential pressure fluctuations in the heating system. Here, the volume flow is limited to a maximum stroke via the automatic presetting described above with the **wibutler** gateway and the **mote 420** actuator mounted on the **Q-Tech** valve.

QUICKLY INSTALLED

1. New installation of the **Q-Tech** valves at the radiator or replacement of the valve inserts with **QA** inserts
2. Installation of the **mote 420** wireless actuators
3. Installation of the **R-Tronic** wireless thermostats
4. Commissioning of the **wibutler** gateway
5. Entry of the building and room data in the app using the commissioning wizard

ADVANTAGES

+ Automatic calculation of the required volume flows for each radiator and automatic presetting of the **Q-Tech** valves via the **mote 420**
+ Manual setting of the thermostatic valves at the radiator is no longer necessary
+ No need for pipe network calculation and balancing of the risers
+ Presetting of the valves in the riser is no longer necessary
+ Hydraulically balanced heating system at full and partial load
+ Long battery life, as control commands from the **mote 420** are only carried out for the room temperature control

Smart Home - Accessories

FK-C F Wireless window contact (EnOcean)



Description	Item No.
Solar-powered, white (similar to RAL 9003), EnOcean Equipment Profile D5-00-01	1153071

wiburtler

Cover frame



Description	Item No.
For covering flush-mounted boxes (milled hole up to Ø 83 mm, e.g. Switzerland), cover 88 x 88 mm, traffic white (RAL 9016)	1150693

Flush-mounted power supply unit with wall bracket



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150692

Plug-in power supply unit with table stand



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150694

Wireless repeater (EnOcean)



Description	Item No.
For amplification of EnOcean radio telegrams to increase the radio range, 230 V AC, 50 Hz, flush mounting	1153060

Antenna extension



Description	Item No.
With SMA screw terminal, antenna length 1 m, surface mounting, white glossy (RAL 9003)	1150777

Protective housing with carrier rail



Description	Item No.
Alternative to mounting in the cabinet, 230 V, surface mounting	1150776

6.1 Smart Home

Proprietary radio system 600

R-Tronic System for individual room temperature control 601
R-Tronic - Accessories 603

R-Tronic System for individual room temperature control



The R-Tronic wireless thermostats with closed radio communication (proprietary) are used in stand-alone operation in connection with wireless actuators to control radiators or in connection with a multi-channel wireless receiver to control surface heating systems.

The temperature setting as well as the storage of time programmes is carried out at the wireless thermostat. Depending on the model, an additional measurement of the relative humidity in % is possible.

Power is supplied by batteries or a power supply unit (100 - 240 V). For the battery-operated models, power supply via the mains is possible as an alternative.

In battery operation, up to 3 participants can be taught in, in mains operation, up to 8 participants can be taught in. In mains operation it is also possible to teach in window contacts.



R-Tronic Wireless thermostat (proprietary radio communication)

Designation	RT B	Communication	Proprietary radio
Humidity sensor*	No	Power supply	Battery-operated
Installation	Surface mounting		

Item No.
1150680



mote 320 Wireless actuator (proprietary radio communication)

Only in conjunction with R-Tronic wireless thermostats (proprietary radio communication).

Power supply	Battery-operated	Communication	Proprietary radio
Battery lifespan	About 2 years	Valve connection	Connection thread M 30 x 1.5

Item No.
1150665



R-Con Multi-channel wireless receiver for surface heating (proprietary radio communication)

Time programme adjustable with R-Tronic wireless thermostats. To be installed in a cabinet, the protective housing item no. 1150776 (see “R-Con Accessories”) can be used alternatively.

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Logic module*	Item No.
4 (max. of 4 actuators per channel)	Yes	1150770
4 (max. of 4 actuators per channel)	No	1150771
8 (max. of 4 actuators per channel)	Yes	1150772
8 (max. of 4 actuators per channel)	No	1150773

Humidity sensor = Integrated humidity sensor
Logic module = Pump and burner logic



wiburtler

R-Con T 2P Four-channel extension module (proprietary radio communication)

For R-Con multi-channel wireless receiver

Voltage	230 V AC	Communication	Proprietary radio
	On/off / PWM	Mounting	Carrier rail (DIN EN 60715 TH35)

Number of radio channels	Item No.
4 (max. of 4 actuators per channel)	1150775



wiburtler

R-Con HC Extension module heating/cooling (proprietary radio communication)

For R-Con multi-channel radio receiver. For switching between heating and cooling mode via a change-over input. The change-over signal is provided e.g. by a reversible heat pump.

Voltage	230 V AC	Mounting	Carrier rail (DIN EN 60715 TH35)
Communication	Proprietary radio		

Inputs	Item No.
Dew point monitoring, cooling mode is interrupted if the dew point is exceeded	1150774



Aktor T 2P on/off control (PWM)

Version	normally closed	Mounting	Plug-in connection with valve adapter
Valve connection	Connection thread M 30 x 1.5		
Installation position	Position-independent		

Voltage	Cable* (m)	Item No.
230 V AC	1.00	1012415
24 V AC / DC	1.00	1012416

R-Tronic - Accessories



FK-C F Wireless window contact (EnOcean)

With EnOcean radio technology. Transmits a radio signal when opening or closing a window. Compatible with R-Tronic wireless thermostats with proprietary radio communication (in mains operation) and with the wibutler gateway.

Power supply	EEP*	Colour	Item No.
Solar-powered	D5-00-01	White	1153071

wibutler



Cover frame

For R-Tronic wireless thermostats.

Description	Item No.
For covering flush-mounted boxes (milled hole up to Ø 83 mm, e.g. Switzerland), cover 88 x 88 mm, traffic white (RAL 9016)	1150693

Flush-mounted power supply unit with wall bracket



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150692

Plug-in power supply unit with table stand



Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150694

6.1

EEP = EnOcean Equipment Profile

Wireless repeater (EnOcean)



Description	Item No.
For amplification of EnOcean radio telegrams to increase the radio range, 230 V AC, 50 Hz, flush mounting	1153060



Antenna extension

For R-Con multi-channel wireless receiver

Description	Item No.
With SMA screw terminal, antenna length 1 m, surface mounting, white glossy (RAL 9003)	1150777



Protective housing with carrier rail

For R-Con multi-channel wireless receiver

Description	Item No.
Alternative to mounting in the cabinet, 230 V, surface mounting	1150776

6.2 Smart Building

DynaTemp system solutions for monitoring and automation **607**

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6.2 Smart Building

DynaTemp system solutions for monitoring and automation **607**

DynaTemp CW-BS Thermal balancing in potable water circulation systems..... 608

DynaTemp CW-BS Thermal balancing in potable water circulation systems

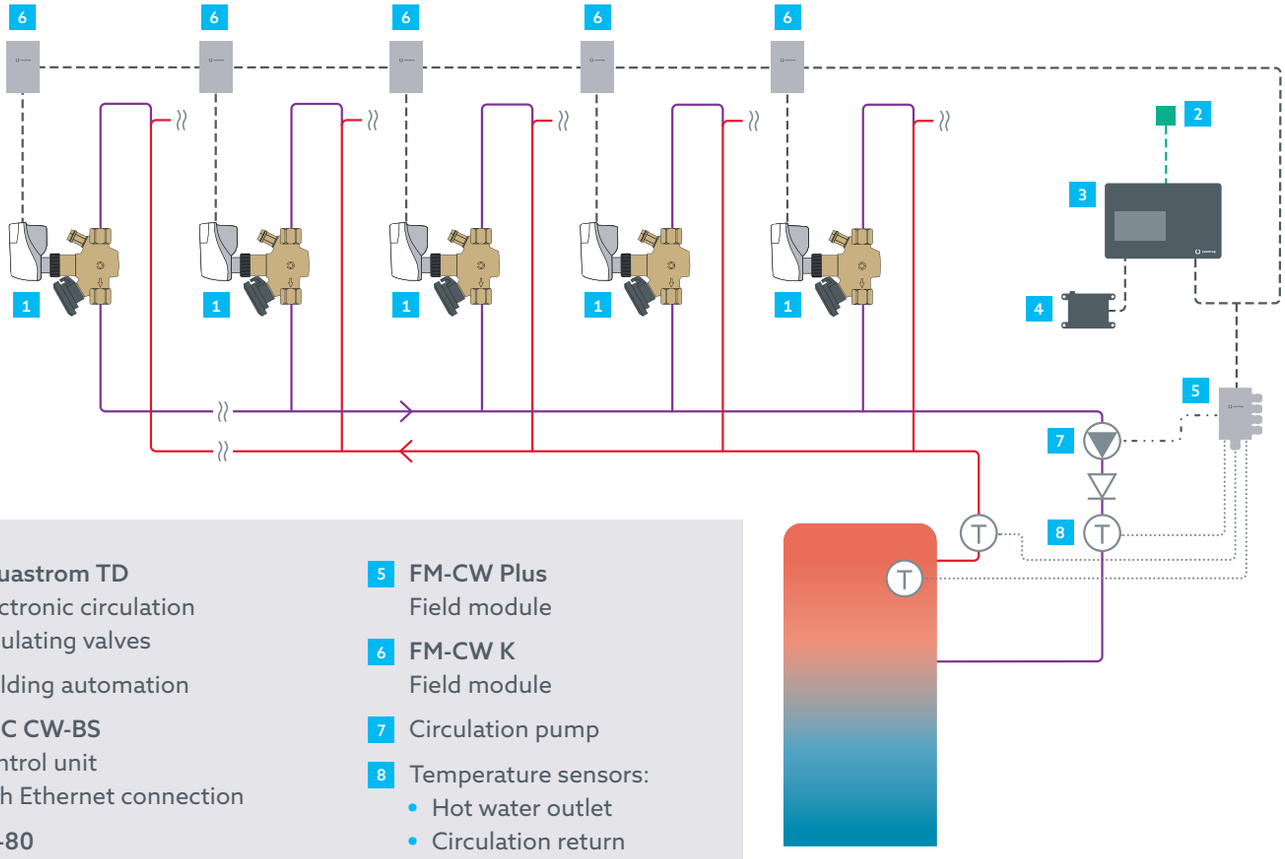


The DynaTemp CW-BS control unit offers a system solution for maintaining potable water hygiene in large buildings such as hospitals, retirement homes or multiple dwellings by monitoring and controlling the potable water circulation temperature in accordance with DVGW.

In addition to maintaining hygiene, thermal disinfection can also be carried out temporarily. In this case, the potable water temperature is first increased by a start signal to the heat generator. Then the pipelines of the circulation system are sequentially brought to the set disinfection temperature.

For monitoring and visualisation tasks or to trigger warnings, the DDC can be integrated into an existing building automation.

Note:
The FM-CW Plus field module (item no. 1153321) is required at least once per system, the Sensor LW TQ (item no. 1150090) is required at least three times per system.



1 **Aquastrom TD**
Electronic circulation regulating valves

2 Building automation

3 **DDC CW-BS**
Control unit with Ethernet connection

4 **TR-80**
Transformator

5 **FM-CW Plus**
Field module

6 **FM-CW K**
Field module

7 Circulation pump

8 Temperature sensors:
- Hot water outlet
- Circulation return
- Storage cylinder temperature

DDC CW-BS Control unit



For thermal balancing of potable water circulation systems. With BACnet IP interface and integrated user interface via web server.

Operating/bus voltage	24 V AC V	Frequency	50 Hz

Number of field modules*	Mounting	Item No.
31	Surface mounting	1153350

Transformer



For power supply of the DDC, field modules, relay modules and circulation valves.

Designation	TR-80	Secondary power	24 V AC
Power	80 VA	Frequency	50 Hz
Primary power	230 V AC		

Item No.
1153053

Aquastrom TD with internal thread



Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5	Medium	Potable water
Setting range	40 up to 90 °C	Operating temperature	up to 90 °C
Closing force	150 N	Shutoff	Yes
Connections	Internal thread	Draining	No
Body material	Silicon bronze	Measuring connection	No
Installation location	Circulation pipe	Thermal insulation	Yes
Max. operating pressure	16 bar	Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	Rp ½	1.24	4205004 ⁘
DN 20	Rp ¾	2.21	4205006 ⁘

Aquastrom TD with flat sealing external thread



Electronic circulation valve with FM-CW K field module.

Connection actuator	M 30 x 1.5	Medium	Potable water
Setting range	40 up to 90 °C	Operating temperature	up to 90 °C
Closing force	150 N	Shutoff	Yes
Connections	External thread	Draining	No
Body material	Silicon bronze	Measuring connection	No
Installation location	Circulation pipe	Thermal insulation	Yes
Max. operating pressure	16 bar	Certification	ACS, PZH

Nominal size	Connection size	Kvs	Item No.
DN 15	G ¾	1.24	4205104 ⁘
DN 20	G 1	2.21	4205106 ⁘



FM-CW Plus Field module for temperature sensing

With C-bus communication. Two potential-free relays can be used to switch e.g. a circulation pump, a storage cylinder loading pump, a hydraulic bypass of a service water mixing valve and a burner activation. The burner can also optionally be activated via a 0 - 10 V signal.

Inputs	3 x PT 1000 temperature sensor	Voltage	24 V AC
Potential-free relays	2	Frequency	50 Hz

Mounting	Item No.
Surface mounting	1153321



REM-CW Relay module for burner activation

Potential-free contact that is controlled via a 0 - 10 V analogue input (from the FM-CW Plus field module) and can be used for burner activation.

Voltage	24 V AC	Potential-free relay contact	NO contact (max.) 230 V, 5 A

	Item No.
	1153331

Sensor LW TQ Sensor element



Description	Item No.
For remote monitoring of the pipeline temperature and for integration into a building management system (BMS), PT 1000 sensor element, G ¼	1150090
For remote monitoring of circulation pipes with Aquastrom TV/T, VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼. Also serves to accommodate the dial thermometer item no. 4205593 or the sensor element item no. 4205592.	4205592

Sensor LW TH Temperature sensor

Suitable for all Oventrop controllers.



Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093

Pipe contact temperature sensor

Suitable for all Oventrop controllers.



Description	Item No.
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095



Replacement FM-CW K Field module

With C-bus communication.

Description	Item No.
For the connection of the Aquastrom DT circulation regulating valve for one riser, 24 V AC, 50 Hz, surface mounting	1153301

6.3 Control and regulation in building technology

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Actuators 625

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6.3 Control and regulation in building technology

Room thermostats 613

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ClimaCon F Room thermostats for surface heating



2022 2022 2023 2023

2023 2023

The ClimaCon F room thermostats are used to control the temperature of surface heating and cooling systems as well as heating and cooling ceilings. Depending on the room thermostat, switching between heating and cooling is possible.

The simple surface-mounted installation and quick configuration make the product very installer-friendly.
Depending on the model, there are room thermostats with reduced display, with integrated time switch and setting options via app.



ClimaCon F 100 for two pipe applications, heating or cooling, follower

	On/off / PWM	Operation	At the room thermostat
Installation	Surface mounting	Switching h / c*	Via change-over
Setback*	Via leader room thermostat		

Voltage	Sensors*	Suitable for	Item No.
230 V AC	No	Thermal actuators (on/off), “normally closed”	1155010
24 V AC	No	Thermal actuators (on/off), “normally closed”	1155510



ClimaCon F 310 for two pipe applications, heating or cooling, leader

Switching between time programme and manual mode possible.

	On/off / PWM	Switching h / c*	Via change-over
Installation	Surface mounting	Other outputs	1 x potential-free
Setback*	Via time programme (adjustable in the app) Via Eco button at the room thermostat	Communication	Bluetooth
Operation	At the room thermostat With smartphone app		

Voltage	0 - 10 V*	Sensors*	Suitable for	Item No.
230 V AC	No	No	Thermal actuators (on/off), “normally closed”	1155031
24 V AC	Yes	Ext. temperature sensor, NTC 10 K	Thermal actuators (on/off), “normally closed” Thermal actuators (0 - 10 V) “normally closed”	1155531

6.3

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling
0 - 10 V = 0 - 10 V output



ClimaCon F 90 for two-pipe applications, heating only/cooling only, follower

	On/off	Setback*	Via leader room thermostat
Installation	Surface mounting	Operation	At the room thermostat

Voltage	Sensors*	Suitable for	Item No.
230 V AC	No	Thermal actuators “normally closed” (heating) Thermal actuators “normally open” (cooling)	1155009



ClimaCon F 316 for four pipe applications heating and cooling with six-way ball valve

Voltage	24 V AC	Operation	At the room thermostat With smartphone app
	On/off 0 - 10 V	Switching h / c*	Depending on the room temperature
Installation	Surface mounting	Other outputs	1 x potential-free
Setback*	Via time programme (adjustable in the app)	Communication	Bluetooth

Sensors*	Suitable for	Item No.
Ext. temperature sensor, NTC 10 K Dew point monitor Safety temperature limiter	Rotary actuators for six-way ball valves 0 - 10 V Actuators “normally closed”	1155536 °

Setback = Temperature setback
Sensors = Sensors can be connected
Switching h / c = Switching heating / cooling

° Production will be discontinued

	ClimaCon F 90	ClimaCon F 100		ClimaCon F 310	
					
	230V	**230V**	**24V**	**230V**	**24V**
Item no.	1155009	1155010	1155510	1155031	1155531
Application					
Heating only / Cooling only	●	—	—	—	—
Heating or cooling (switchable)	—	●	●	●	●
Heating and cooling	—	—	—	—	—
Display					
Setpoint temperature	●	●	●	●	●
Actual temperature	—	—	—	●	●
Status (heating / cooling)	—	—	—	●	●
Modus (Auto / Eco)	—	—	—	●	●
Setting options					
Temperature setting at the room thermostat	●	●	●	●	●
Temperature setting via time profiles in the app	—	—	—	●	●
Setback activation at the room thermostat	—	—	—	●	●
Timed setback via app	○	○	○	●	●
Setback temperature	4 K	4 K	4 K	flexible via app	flexible via app
Temperature limitation via app	—	—	—	●	●
External limiter function – automatic switch-off when the temperature set via the app is reached	—	—	—	—	●
Limit voltage 0-10 V adjustable	—	—	—	—	—

○ Leader function – only possible if leader room thermostats (ClimaCon F 310) are used

ClimaCon F - Accessories



ClimaCon F temperature sensor

PU 846

Description	Item No.
For connection to item no. 1155531 for detecting the temperature in the room or as an external temperature sensor for detecting the surface temperature as a safety temperature limiter. With 3 m connecting cable, NTC 10 K	1155599

Room thermostats heating, flush mounting



The flush-mounted electric room thermostat is required in conjunction with the Aktor T 2P thermal actuators (on/off) for individual room temperature control.

Heating: Use thermal actuators (on/off) "normally closed". Temperature setback possible via external time switch.

Cooling: Use thermal acutators (on/off) "normally open".

Temperature range between 5 and 30 °C. Setpoint range can be limited by concealed locking clips.



Room thermostat for two-pipe applications, flush mounting

Setpoint range can be limited by concealed locking clips.

	On/off	PU	128
Setback*	Via external time switch (follower function)		

Voltage	Suitable for	Item No.
230 V AC	Thermal actuators "normally closed" (heating) Thermal actuators "normally open" (cooling)	1152071

Setback = Temperature setback

Room thermostats heating/cooling



The electronic surface-mounted room thermostat is used in conjunction with motorised or thermal actuators for individual room temperature control in heating and cooling systems. It can also be used in three- or four-pipe systems and has an adjustable neutral zone between heating and cooling stage. The temperature is set at the room thermostat.



Room thermostat for four pipe applications, surface mounting

Neutral zone	Adjustable between 0.5 K and 7.5 K	PU	25

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V (2x)	Thermal actuators (0 - 10 V) “normally closed”	1152151

Room thermostats heating/cooling with fan control



Room thermostats for electrical control of fan coil units for demand-oriented heating and cooling. Depending on the room thermostat, fan coil units in two- or four-pipe systems can be controlled.
The temperature as well as the fan speed can be set at the room thermostat. Furthermore, various operating modes can be set.



Room thermostat for two pipe applications, heating only/cooling only, 230 V

Setback*	Via adjustable time programme	PU	1440
Installation	Flush mounting		

Voltage		Suitable for	Item No.
230 V AC	On/off	Actuators “nomally closed” (heating) Actuators “normally open” (cooling)	1152453



Room thermostat for two-pipe applications, heating only/cooling only, 24 V

Installation	Surface mounting	PU	1200
Other outputs	On/off auxiliary heating		

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V	Actuators “normally closed”	1152064



Room thermostat for four pipe applications, heating and cooling, 24 V

Installation	Surface mounting	PU	1200
Other outputs	On/off auxiliary heating		

Voltage		Suitable for	Item No.
24 V AC	0 - 10 V (2x)	Actuators “normally closed”	1152065

Room thermostats - Accessories



Electrical connecting block for surface heating

When using item no. 1400980 / 82 with 24 V, an external power supply of 24 V must be available. Item no. 1153053 can be used as transformer.

PU 25

Description	Item No.
6 control zones, heating, 24 V / 230 V	1400980
10 control zones, heating / cooling (change-over), pump control, 230 V	1400981
10 control zones, heating / cooling (change-over), pump control, 24 V	1400982



FloorCon Electrical connecting block with automatic hydronic balancing for surface heating and cooling

PU 72

Description	Item No.
FloorCon F 200, without channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400984
FloorCon F 300, with channel allocation, connection of 8 room thermostats / 12 actuators, 230 V, flow temperature sensor included in the scope of delivery	1400985



Aktor VLT for FloorCon

For adaptive flow temperature control in conjunction with a Regufloor HN24/HW24 control station or the flow temperature control module of the Regudis W-HTE dwelling station. The maximum temperature is adjustable. Can only be used with the FloorCon F 200 or F 300 connecting block.

PU 384

Description	Item No.
For adaptive flow temperature control	1029085



Temperature sensor for FloorCon

Replacement temperature sensor, item no. 1029094 can be used as replacement flow temperature sensor.

PU 25

Description	Item No.
Return temperature sensor for FloorCon F, 850 mm	1029094 °
Return temperature sensor for FloorCon F, 2100 mm	1029095

6.3

° Production will be discontinued



Aktor T 2P on/off control (PWM)

Description	Item No.
On/off control, "normally closed", 230 V, 2 m cable	1012452



Sensor LW TH Safety temperature monitor with concealed temperature setting

Description	Item No.
For maximum limitation of the flow temperature in surface heating systems, control range 20 °C - 90 °C	1143000



Safety temperature limiter

PU 1056

Description	Item No.
For max. limitation of the heating circuit temperature, 20 °C - 90 °C	1344583



Sensor GA FD Dew point monitor

Is required in conjunction with room thermostats to protect against condensation on cooling surfaces.

Description	Item No.
For heating/cooling applications to prevent condensation, 24 V, with change-over contact	1141951

R-Tronic Wireless thermostats



Oventrop offers wireless thermostats with two types of radio communication:
The R-Tronic wireless thermostats with open radio communication according to EnOcean standard can be integrated directly into Smart Home systems.
The R-Tronic wireless thermostats with closed radio communication (proprietary) are used in stand-alone operation in connection with wireless actuators to control radiators or in connection with a multi-channel wireless receiver to control surface heating systems.

The temperature setting as well as the storage of time programmes is carried out at the wireless thermostat or in the app of the Smart Home System. Depending on the model, an additional measurement of the relative humidity in % is possible.

Power is supplied by batteries or a power supply unit (100 - 240 V). For the battery-operated models, power supply via the mains is possible as an alternative (see chapter “R-Tronic Accessories”).

For the closed R-Tronic system, the following applies: In battery operation, up to 3 participants can be taught-in, in mains operation, up to 8 participants can be taught-in. In mains operation it is also possible to teach in window contacts.

R-Tronic Wireless thermostat (EnOcean)



wibutler

Designation	RT B (EnOcean)	Power supply	Battery-operated
Humidity sensor*	No	PU	576
Installation	Surface mounting		
Communication	EnOcean		
EEP*	A5-10-02 A5-10-03 A5-10-04 A5-10-06 A5-10-06 + RPS		

Item No.
1150780

R-Tronic Wireless thermostat (proprietary radio communication)



Designation	RT B	Communication	Proprietary radio
Humidity sensor*	No	PU	576
Installation	Surface mounting		

Power supply	Item No.
Battery-operated	1150680

6.3

Humidity sensor = Integrated humidity sensor
EEP = EnOcean Equipment Profile

R-Tronic - Accessories



Flush-mounted power supply unit with wall bracket

PU 768

Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150692



Plug-in power supply unit with table stand

PU 832

Description	Item No.
For converting battery-operated R-Tronic wireless thermostats to an external power supply 100 - 240 V AC, 50 - 60 Hz	1150694



Cover frame

PU 50

Description	Item No.
For covering flush-mounted boxes (milled hole up to Ø 83 mm, e.g. Switzerland), cover 88 x 88 mm, traffic white (RAL 9016)	1150693

6.3 Control and regulation in building technology

Actuators 625

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Aktor T Thermal actuators



Thermal actuators are used for heating, ventilation and air conditioning. The actuators can be used for room temperature control or as zone valves.
They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds, radiant heating ceilings, cooling ceilings and induction units in conjunction with on/off room thermostats.

All thermal actuators are protected against overvoltage, a varistor is not required.

Oventrop offers actuators in the variants "normally closed" and "normally open". The model with auxiliary switch can switch e.g. a pump directly via the integrated, potential-free contact.



Aktor T 2P on/off control (PWM)

Valve connection	Connection thread M 30 x 1.5
Installation position	Position-independent
Mounting	Plug-in connection with valve adapter
Stroke	5 mm

Voltage	Version	Cable* (m)	Item No.
230 V AC	normally closed	1.00	1012415
230 V AC	"Normally open"	1.00	1012425
230 V AC	"Normally closed" with integrated auxiliary switch	1.00	1012435
230 V AC	normally closed	2.00	1012452
230 V AC	normally closed	5.00	1012455
230 V AC	normally closed	10.00	1012459
24 V AC / DC	normally closed	1.00	1012416
24 V AC / DC	"Normally open"	1.00	1012426
24 V AC / DC	normally closed	2.00	1012442



Aktor T ST 0 - 10 V control

Valve connection	Connection thread M 30 x 1.5
Zero point detection	Yes
Valve travel detection	Yes
Installation position	Position-independent
Mounting	Plug-in connection with valve adapter
Stroke	5 mm

Voltage	Version	Cable* (m)	Item No.
24 V AC	normally closed	1.00	1012953

Aktor T - Accessories



Valve adapter

PU 5

Description	Item No.
Connection thread M 30 x 1.5	1012461
Connection thread M 30 x 1.5, high model (11 mm), necessary when using the actuators item no. 10124.. and 1012953 with Hycocon ETZ/HTZ or Multiblock T/TU/TFU/TQ and the design cover	1012462
For valves with squeeze connection	1012463
For Oventrop valves with connection thread M 30 x 1.0 (manufactured until 1998)	1012890



Reinforcing cap

Description	Item No.
For thermal actuators, including special valve adapter with connection thread M 30 x 1.5 for installation	1012450

Aktor M Motorised actuators



Motorised actuators are used for heating, ventilation and air conditioning. Amongst others, the actuators can be used for room temperature control. They can be used, for example, with conventional radiators, radiators with integrated valve sets, heating circuit manifolds (except for item no. 1012710 / 11), radiant heating ceilings, cooling ceilings and induction units.

Oventrop offers motorised actuators with and without communication interfaces.



Aktor M modulating with 0 - 10 V

With the electrical emergency control function, the actuator moves to a predefined stroke position in the event of a supply voltage failure. Various characteristic lines can be set for Cocon QTZ (item no. 1012717, PN 25 only).

Valve connection	Connection thread M 30 x 1.5
Modulating proportional actuator	Yes
Automatic valve blocking protection function	Yes

Direction of action adjustable	Yes
Stroke	4 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Electrical emergency control function	Additional on/off / floating control	Position feedback	Item No.
24 V AC / DC	Yes	No	Yes	1012717
24 V AC / DC	No	Yes	No	1012725
24 V AC / DC	No	No	Yes	1012726



Aktor M on/off and floating control

Valve connection	Connection thread M 30 x 1.5
Automatic valve blocking protection function	No
Direction of action adjustable	No

Stroke	4 mm
Cable*	1.50 m
Zero point detection	Yes

Voltage	Item No.
230 V AC	1012729

Cable = Cable length

Aktor M on/off control, with short running time (3 s)



Valve connection	Connection thread M 30 x 1.5
Automatic valve blocking protection function	No
Contact open - drive tappet retracts	Yes

Stroke	6.5 mm
Cable*	1.50 m

Voltage	Item No.
230 V AC	1012710
24 V AC / DC	1012711

Aktor M modulating with 0 - 10 V or on/off control

For Cocon QTR / QFC DN 40 / 50.



Valve connection	Squeeze connection
Automatic valve blocking protection function	Yes
Stroke	10 mm

Cable*	1.50 m
PU	120

Voltage	Position feedback	Characteristic line	Note	Item No.
24 V AC / DC	0 - 10 V	Adjustable	Additionally also for floating control	1158012
24 V AC / DC	2 - 10 V	-	Additionnally with emergency control function (failsafe)	1158013

Aktor M modulating with 0 - 10 V or on/off / floating control

For two-way valve item no. 11308.. and 16708.. DN 15 to DN 50.



Valve connection	Squeeze connection
Automatic valve blocking protection function	Yes
Position feedback	0 - 10 V
Characteristic line	Adjustable (linear and equal percentage)

Stroke	10 mm
Cable*	1.20 m
PU	336

Voltage	Item No.
24 V AC / DC	1158011

Aktor M modulating with 0(2) - 10 V or 0(4) - 20 mA or on/off / floating control

For Cocon QTR / QFC DN 40 to DN 100.



Valve connection	Squeeze connection
Automatic valve blocking protection function	Yes
Position feedback	0 - 10 V

Characteristic line	Adjustable
Stroke	20 mm
PU	112

Voltage	Included accessory	Item No.
24 V AC / DC	Adapter	1158023

Cable = Cable length



Aktor M modulating with 0(2) - 10 V or 0(4) - 20 mA or on/off / floating control

For Cocon QTR / QFC DN 40 to DN 100.

Valve connection	Squeeze connection	Characteristic line	Linear
Automatic valve blocking protection function	Yes	Stroke	20 mm
Position feedback	0 - 10 V	PU	112

Voltage	Version	Included accessory	Item No.
24 V AC	Motorised, normally opening	Spring return Adapter	1158021
24 V AC	Motorised, normally closing	Spring return Adapter	1158022



Aktor M modulating with 0 - 10 V, 4 - 20 mA or on/off / floating control

For Cocon QFC DN 125 to DN 200 and for two-way valves DN 65 to DN 150.

Valve connection	Squeeze connection	Stroke	40 mm
Position feedback	0 - 10 V		
Characteristic line	Adjustable (linear, square-law and equal percentage)		

Voltage	Version	Included accessory	PU	Item No.
24 V AC / DC	Motorised	Adapter	48	1158030
24 V AC / DC	Motorised, normally opening	Spring return Adapter	40	1158031
24 V AC / DC	Motorised, normally closing	Spring return Adapter	48	1158032



Aktor M with KNX interface

Power consumption extremely low, no external power supply necessary. With integrated binary input (e.g. for window contact, dew point sensor, motion detector).

Valve connection	Connection thread M 30 x 1.5	PU	120
Stroke	4 mm		

Voltage	Item No.
21 - 32 V DC (from KNX bus)	1012746



Aktor M with Modbus RTU interface

Various parameters can be configured and/or read out via Modbus RTU (e.g. volume flow, valve characteristic line, sensor type, operating hours, operating and fault messages). Two universal inputs/outputs enable the connection of temperature sensors, window contacts and humidity sensors, as well as the control of 0 - 10 V rotary actuators.

Valve connection	Connection thread M 30 x 1.5	Position feedback	0 - 100 %
Automatic valve blocking protection function	Yes	Cable*	1.50 m
		Zero point detection	Yes

Voltage	Suitable for	Stroke *(mm)*	PU	Item No.
24 V AC / DC	Cocon QTZ	9		1012745
24 V AC / DC	Cocon QTR/QFC DN 40/50	14	120	1158014

Aktor M - Accessories and spare parts



Connection module 230 V

For Aktor M 24 V (item no. 1158030 / 31 / 32).

Description	Item No.
For connection to the supply voltage (230 V), pluggable module	1158033



Aktor M adapter

For use of Aktor M on Cocon QTR / QFC. These adapters are included with the listed actuators on delivery and serve as spare parts in case of loss or damage.

PU 832

Description	Item No.
For item no. 1158010	9010522
For item no. 1158012, 1158013, 1158014	9010523
For item no. 1158020, 1158023	9010524
For item no. 1158021, 1158022	9010525
For item no. 1158030, 1158031, 1158032	9010526

Actuators with radio interface



Electronic battery-operated actuators for room temperature control at the radiator with communication interface:

The mote 420 wireless actuator can be used in combination with R-Tronic wireless thermostats (EnOcean) or be integrated into Smart Home systems (e.g. wibutler). The actuator is configured in the Smart Home system via app.

The mote 320 wireless actuator can be used in combination with R-Tronic wireless thermostats (proprietary radio communication). The actuator is configured at the R-Tronic wireless thermostat.



mote 420 Wireless actuator (EnOcean)

Only functions in combination with communication centres / gateways (e.g. with the wibutler gateway) and room thermostats supporting this EnOcean Equipment Profile.

Communication	EnOcean	Battery lifespan	About 2 years
Power supply	Battery-operated	PU	1152

Valve connection	EEP*	Item No.
Connection thread M 30 x 1.5	A5-20-01	1150766



mote 320 Wireless actuator (proprietary radio communication)

Only in conjunction with R-Tronic wireless thermostats (proprietary radio communication).

Communication	Proprietary radio	Battery lifespan	About 2 years
Power supply	Battery-operated	PU	1152

Valve connection	Item No.
Connection thread M 30 x 1.5	1150665

6.3 Control and regulation in building technology

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Regtronic Electronic controllers



Electronic controllers from Oventrop ensure efficient use of energy for heating and cooling. They enable the control, combination and monitoring of various functions in the areas of generation, distribution and transfer to an intelligent system. The controllers can take over the coordination of different heat generators (amongst others gas boilers, solid fuel boilers or solar thermal systems) to ensure economical operation.

ErP classification Regtronic RHC heating circuit controller

Item no.	Controller	Required accessories	Boiler control		ErP %	Class
			Modulating (0-10 V)	On/Off		
1152085	Regtronic RHC	—	●		2,0	II
		—		●	1,5	III
		Room control unit 1152091	●		4,0	VI
		Room control unit 1152091		●	3,5	VII
		Room control unit 1152091 2 x Room temperature sensor 1152095	●		5,0	VIII



Regtronic RHC Weather-compensated heating circuit controller for mixed/unmixed heating circuit

Compatible with Regtronic KM-IP communication module. Extendable by a maximum of 5 extension modules.

Application	Heating circuit control Cooling circuit control Heat generator activation Solid fuel boiler Service water heating
Operating voltage	230 V AC
Sensor inputs	10
Further inputs	Pulse inputs V40 Grundfos Direct Sensor

Solid-state relays	4
Electromechanical relays	2
Potential-free relays	1
PWM*	4
PWM switchable 0 - 10 V*	Yes
Heat meter	5
Product compatible to	Regtronic EM

Scope of delivery	Item No.
1 x Outdoor sensor 1 x Pipe contact sensor 2 x Storage cylinder sensor	1152085 ⁘

6.3

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V

⁘ New in the catalogue 2026

ErP classification Regtronic RHC heating circuit controller

Item no.	Controller	Required accessories	Boiler control: Modulating (0-10 V)	Boiler control: On/Off	ErP %	Class
1152085	Regtronic RHC	—	●		2,0	II
		—		●	1,5	III
		Room control unit 1152091	●		4,0	VI
		Room control unit 1152091		●	3,5	VII
		Room control unit 1152091 2 x Room temperature sensor 1152095	●		5,0	VIII



Regtronic EM Extension module for the control of further mixed/ unmixed heating circuits

For extening the Regtronic controller by 6 sensor inputs and 5 relay outputs.

Operating voltage	230 V AC
Sensor inputs	6
Solid-state relays	4
Potential-free relays	1

Product compatible to	Regtronic RH Regronic RHC Regtronic RM Regtronic RS

Scope of delivery	Item No.
1 x Pipe contact sensor	1152098



Regtronic RM Multifunction controller for the control of weather-compensated mixed/unmixed heating circuits as well as solar plants

Application	Heating circuit control Heat generator activation Solid fuel boiler, solar Service water heating Storage cylinder management
Operating voltage	230 V AC
Sensor inputs	12
Further inputs	Pulse inputs V40 Grundfos Direct Sensor FlowRotor

Solid-state relays	13
Potential-free relays	1
PWM*	4
PWM switchable 0 - 10 V*	Yes
Heat meter	7
Product compatible to	Regtronic EM

Scope of delivery	Item No.
6 x Storage cylinder sensor 2 x Collector sensor	1369555

PWM = Outputs pulse-width modulation
PWM switchable 0 - 10 V = PWM (pulse-width modulation) outputs switchable to 0 - 10 V



Regtronic RC-P Flexible solar controller for more complex solar thermal systems, hot potable water preparation and additional functions

Application	Solar Storage cylinder management Service water heating
Operating voltage	230 V AC
Sensor inputs	4
Further inputs	Pulse inputs V40 FlowRotor Grundfos Direct Sensor

Solid-state relays	3
Potential-free relays	1
PWM*	2
Heat meter	2

Scope of delivery	Item No.
1 x Collector sensor 3 x Storage cylinder sensor	1369551



Regtronic RC Simple solar controller for controlling a solar plant

Application	Solar
Operating voltage	230 V AC
Sensor inputs	4
Further inputs	Pulse inputs V40

Solid-state relays	2
Potential-free relays	1
PWM*	2

Scope of delivery	Item No.
1 x Collector sensor 3 x Storage cylinder sensor	1369549

PWM = Outputs pulse-width modulation

Products for the networking of controls and stations



The Regtronic KM-IP communication module is used to connect the Regtronic controller to a local network for communication either via BACnet IP or Modbus TCP. It is intended for connection to a controller via the S-bus interface and for parameterisation of the connected controller, taking into account the specified technical data.



Regtronic KM-IP Communication module BACnet IP or Modbus TCP

For integration of a controller into a building automation system via Modbus TCP.

Item No.
1159094



Regtronic control



Regtronic KM-IP

BACnet IP and Modbus TCP



BUILDING CONTROL

Controller name	Item description	Regtronic KM-IP	Item no.
		 Item no. 1159094 Interfaces: **BACnet IP, Modbus TCP**	
Regtronic RH	Heating circuit control	●	1152080/83
Regtronic RH	Heating circuit control	—	1152090/93
Regtronic RH HT	Regudis H Transmission station	●	1391021–3037
Regtronic RQ	Regumaq X-30 Fresh water station	—	1381025–1037
Regtronic RQ	Regumaq X-80 Fresh water station	●	1381580/81/82
Regtronic RQ	Regumaq X-45 Fresh water station	●	1381140/42
Regtronic RC	Regusol Solarstation	—	1366597, 1360862/84, 1369549
Regtronic RC-P	Regusol Solar station	—	1360394, 1369551
Regtronic RX	Regusol Solar station	—	1361050/60
Regtronic RM	System control	only BACnet IP, no Modbus TCP	1369555
Regtronic RS	System control for Regucor energy storage centres	—	1383485, 1383550, 1383555, 1383562, 1383645, 1383567
Regtronic RD-W	System control for Regudis dwelling stations	—	1342093

Regtronic - Accessories



Sensor LW TH Temperature sensor

Suitable for all Oventrop controllers.

PU 520

Description	Item No.
For temperature measurement and detection in immersion sleeves and storage cylinders, PT 1000 sensor element, continuous temperature range up to 105 °C, length 3 m	1369093
For temperature measurement and detection at collectors, PT 1000 sensor element, continuous temperature range up to 180 °C, length 2 m	1369094



Pipe contact temperature sensor

Suitable for all Oventrop controllers.

PU 832

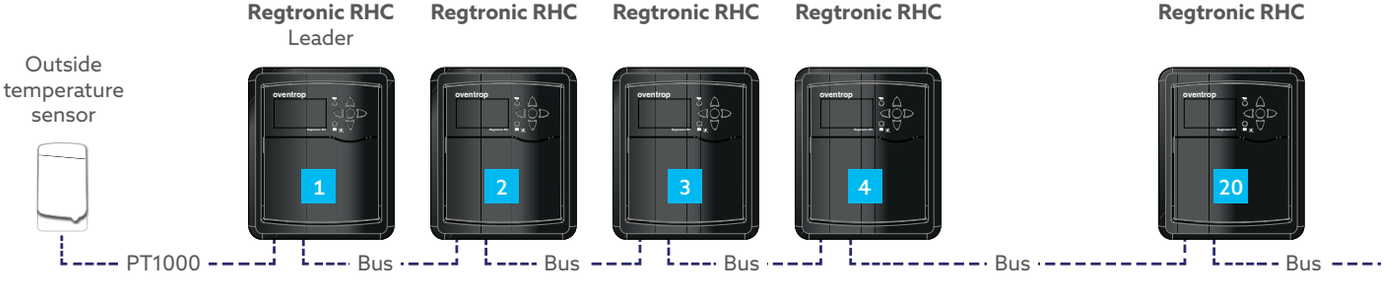
Description	Item No.
For temperature measurement and detection at the pipework, with fastening clip Ø 25 - 40 mm and heat-conducting paste, PT 1000 sensor element, continuous temperature range up to 180 °C, length 1.5 m	1369095



Outside temperature sensor

Suitable for Regtronic RH, RHC, RH-HT, EM, RM, RS and RD-W.

Description	Item No.
For outside temperature measurement, PT 1000 sensor element, splash-proof housing, surface mounting	1152099



Example: Distribution of a temperature sensor (outside temperature sensor item no. 1152099) to up to **20 Regtronic RHC** heating circuit controllers (item no. 1152085)



Room control unit

Suitable for Regtronic RH, RH-HT, EM, RM and RS. With operating mode switch, remote control and room temperature sensor.

Description	Item No.
For operating mode setting (Auto, Night, Summer, Off), for heating curve and function setting (Party, Heating off), control from the living room, PT 1000 sensor element, surface mounting	1152087



Room control unit

Suitable for Regtronic RHC and EM. For setting the setpoint room temperature and measuring the relative air humidity.

Description	Item No.
For setting the setpoint room temperature and measuring the relative air humidity	1152091 ⁘



Remote control with room temperature sensor

Suitable for Regtronic RH, RH-HT, EM, RM and RS.

Description	Item No.
For heating curve and function setting (Party, Heating circuit off), control from the living room, PT 1000 sensor element, surface mounting	1152096



Room temperature sensor

Suitable for Regtronic RH, RH-HT, EM, RM and RS.

Description	Item No.
For room temperature measurement, PT 1000 sensor element, surface mounting	1152095



ClimaCon F 310 for two pipe applications, heating or cooling, leader

Suitable for Regtronic RH, RH-HT, EM, RM and RS.

PU 1680

Voltage		Suitable for	Item No.
230 V AC	On/off / PWM	Thermal actuators (on/off), “normally closed”	1155031



Adapter cable PWM/0 - 10 V

Suitable for Regtronic RH, RH-HT, RM, RS and RQ.

Description	Item No.
For signal transmission from the heating circuit controller Regtronic RH to a modulating heat generator with 0 - 10 V interface	1152086



Regtronic PSW Signal converter (PWM/0-10 V)

For all solar controllers.

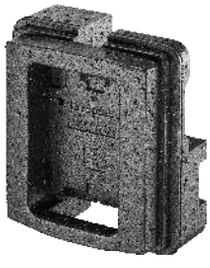
Description	Item No.
For the conversion of an asynchronous signal into a high-efficiency pump control signal (PWM / 0 - 10 V)	1369532



Connection socket with surge protection

For all solar controllers.

Description	Item No.
For protection of the collector sensor against externally induced overvoltage and local lightning strikes, splash-proof, IP 65	1369591



Controller insertion block

For solar controller Regtronic RC / RC-P.

PU 72

Description	Item No.
For Regusol SH/LH DN 25 (manufactured from 2015), for retrofitting a Regtronic RC/RC-P	1369553



Service and data

7



7 Service and data

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7.1 Service

Design 647

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Heating load calculation



To ensure that our systems can be installed efficiently and safely at your customers' premises and operated without any problems, the right planning is needed. To make this as easy as possible for you, we help you by calculating the heating load for you. This way, you can be sure that everything is working reliably and efficiently during installation and operation, and that your customers are satisfied.

Heating load calculation

New construction / renovation
The heating load calculation is limited to residential buildings with a maximum of 10 dwelling units.

Consisting of	Item No.
- Heating load calculation per room created	9900027
- Calculation of the building heating load based on DIN EN 12831 (new construction) according to specifications	9900028
- Calculation of the building heating load according to the building age class or in accordance with the current GEG (German Building Energy Act) or EnEV (German Energy Saving Ordinance) certificate (to be provided by the client)	9900029

Regudis/Regumaq system design



In order for our systems to be installed efficiently and safely at our customer's premises and to be operated without any problems, the right planning is required. To make this as easy as possible for you, we help you to design all components to suit the system. This way you can be sure that everything works reliably and efficiently during installation and operation and that your customers are satisfied.

We distinguish between three levels of service, so that you can choose a service tailored to your personal needs.

Regumaq fresh water station design

Consisting of	Item No.
- Determination and calculation of the number of Regumaq fresh water stations - Determination of the nominal pipe diameters between the buffer storage cylinder and the fresh water station - Determination of the nominal pipe diameters (potable water/PWC) from the house connection to the fresh water station (connection dimensions, nominal pipe sizes are determined on the basis of the maximum output) - Tabular output of the results	9900034

Regudis/Regumaq system design

To ensure that our systems can be installed efficiently and safely at our customer's premises and operated without any problems, the right planning is needed. To make this as easy as possible for you, we help you to design all components to fit the system. This way you can be sure that everything is working reliably and efficiently during installation, and operation and that your customers are satisfied.

Regudis dwelling station design

Consisting of	Item No.
- Determination and calculation of the number of Regudis dwelling stations - Dimensioning of the pipework (heating) from the heat generator to the dwelling stations - Determination of the nominal pipe diameters (potable water/PWC) from the house connection to the dwelling stations - Design of the heat generator and buffer storage cylinder - Output of the results in a pipeline scheme	9900033



7.1 Service

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Measuring devices



Purchase OV-DMC 3 measuring system

Support by Oventrop service techncians for instruction and training, cooperation and/or support for the use and handling of the measuring devices.

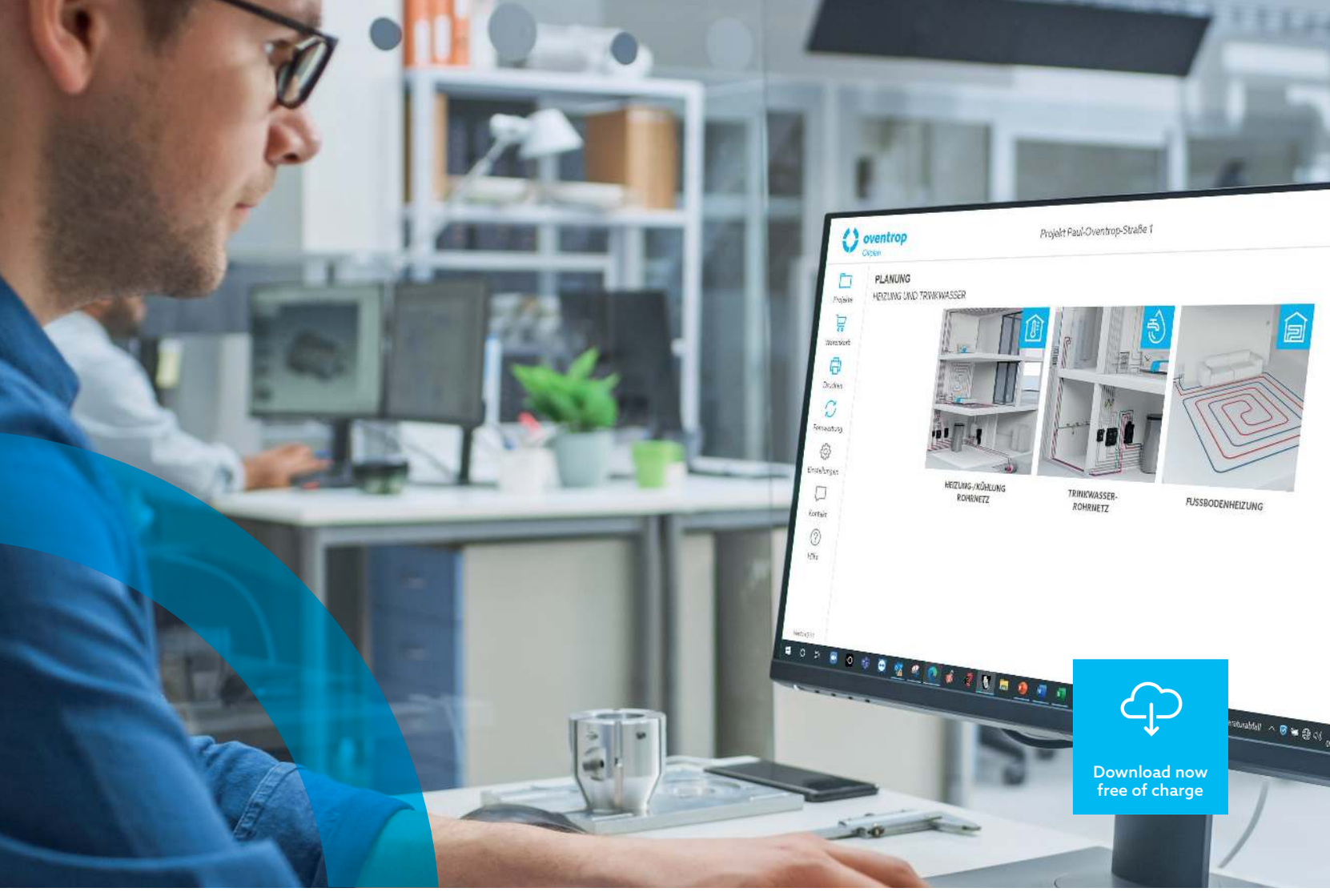
Consisting of	Item No.
With interfaces for communication with commercially available smartphones, tablets and PCs	1069278



7.1 Service

Software and data **653**

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+ **DIN radiator design** – also in existing buildings
+ **Thermostatic valve design**
+ **Double regulating and commissioning valve design**
+ **OV-DMC 3** measuring system for the balancing of double regulating and commissioning valves or for the measurement of **Cocon Q** pressure independent control valves in heating or cooling systems
+ Creation of **ErP energy efficiency labels**



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