



# Governors

Line Pressure Regulators Mod.  
Stab.300-310

## Classification and Area of Application

**Pietro Fiorentini** self-operated pressure governors are designed and manufactured according to the latest international standards.

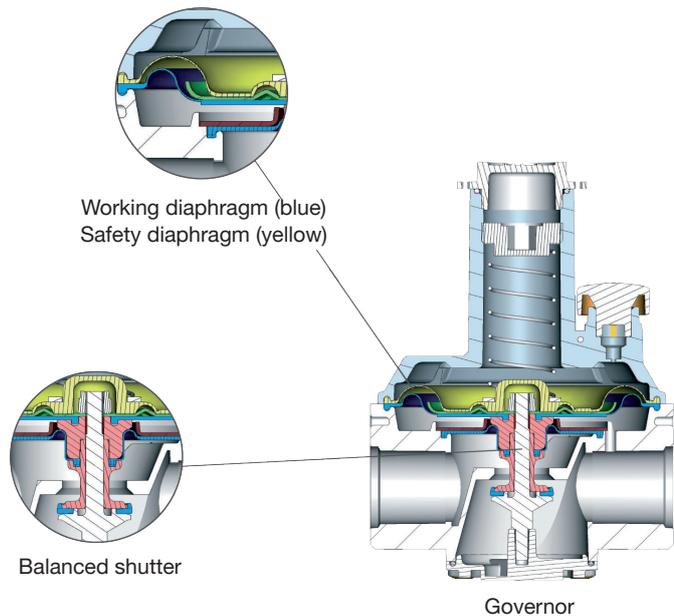
The devices are therefore suitable for every type of installation, both indoors and outdoors. The governors are the ideal solution for burners feeding and for the canalized distribution of low pressure gas, both domestic and industrial. The materials and components in use allow the governors to operate with various types of gas:

**Natural gas, LPG**, propane and any other **non-corrosive gases**.

All **Pietro Fiorentini** governors are equipped with a balanced shutter that provides high accuracy in the regulation of the outlet pressure, even in case of high and sudden variations in the inlet pressure. When installed in a closed environment, the presence of the safety diaphragm allows (if this is forecast by the legislation in force) to eliminate the overflow conveyance outside. The optional add-on devices, all within a single body, allow the governor to perform several functions while significantly reducing installation and maintenance costs.

## Designed With Your Needs In Mind

- Wide Variety Of Range
- Governor without filter
- Governor with a shut off valve
- Safety Diaphragm
- Balanced Shutter
- High Flow Rates Guaranteed
- Line or Square Connections



**GOVERNOR**  
Without filter



**GOVERNOR**  
With a shut off valve



**GOVERNOR**  
With vertical exit



**GOVERNOR**  
with integral flanges

## FEATURES

### Materials:

- **Body:** EN AB 46100 - EN AB 43100
- **Cover:** EN AB 46100 - EN AB 43100 - ZAMA 3 INI EN 1774

### Surface Treatment:

- **Painting:** POWDER COATING (on request)

## Adjustment Springs

GOVERNOR MODEL	30051/52/53 31051/52/53	30150/51/52 31150/51/52	30153/54/54F 31153/54/54F	30155 - 30155F 31155 - 31155F	30156F - 30157F 30158F
<b>SPRING RANGE</b> (mbar) / color	<b>SPRING CODE</b>				
<b>5 - 13 Green</b>	64470219	64470228	64470246	64470255	64470320
<b>7 - 20 Red</b>	64470220	64470229	64470247	64470256	64470324
<b>10 - 30 White</b>	64470221	64470230	64470248	64470257	64470325
<b>15 - 35 Black</b>	64470397	64470380	64470381	64470382	64470383
<b>25 - 70 Yellow</b>	64470295	64470297	64470299	64470301	64470321
<b>60 - 150 (Violet)</b>	64470296	64470298	64470300	64470302	64470322
<b>140 - 300 Orange</b>		64470235	64470253	64470262	64470323
					Tab.1

Springs for under pressure shut off (UPSO)		
CODE	RANGE (mbar)	RANGE (KPa)
64470120	8 - 21	0.8 - 2.1
64470121	21 - 35	2.1 - 3.5
64470122	35 - 55	3.5 - 5.5
64470202	55 - 80	5.5 - 8.0
		Tab.2

Springs for over pressure shut off (OPSO)		
CODE	RANGE (mbar)	RANGE (KPa)
64470197	35 - 50	3.5 - 5.0
64470198	50 - 70	5.0 - 7.0
64470199	70 - 100	7.0 - 10.0
64470200	100 - 160	10.0 - 16.0
64470113	160 - 220	16.0 - 22.0
64470201	220 - 300	22.0 - 30.0
		Tab.3

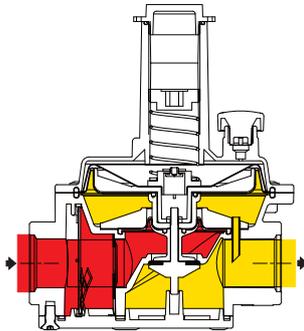
## Governor without filter

### FEATURES

- BPU inlet pressure range: from +2.5 mbar compared to the rated outlet pressure (with  $P_u$  max 500 mbar).
- Design pressure PS: 1 bar
- Wd outlet pressure range: 5÷300 mbar (for compact models 31051-52-53 Wd outlet pressure range 5÷150 mbar).
- AC Accuracy class: 15% of the  $P_d$  calibration value
- SG Closing pressure class: +7.5 mbar/up to 30% of the  $P_d$  calibration value
- Temperature range: -15 °C + 60 °C
- Filter (filtration degree) 50 µm

GPL flow rate: multiply the table value x 1.2  
 Nitrogen flow rate: multiply the table value x 0.789

### IT COMPLIES WITH EEC DIRECTIVE 90/396



**GOVERNOR**  
Without filter

### Flanged Connections

Mod.	Dn	C1	Cg
<b>30152/F</b>	25/sliding	30	220
<b>30153/F</b>	32/sliding	30	460
<b>30154/F</b>	40/sliding	30	570
<b>30155/F</b>	50/sliding	30	1150
<b>30156/F</b>	65	30	1450
<b>30157/F</b>	80	30	1600
<b>30158/F</b>	100	30	2850

Tab.4

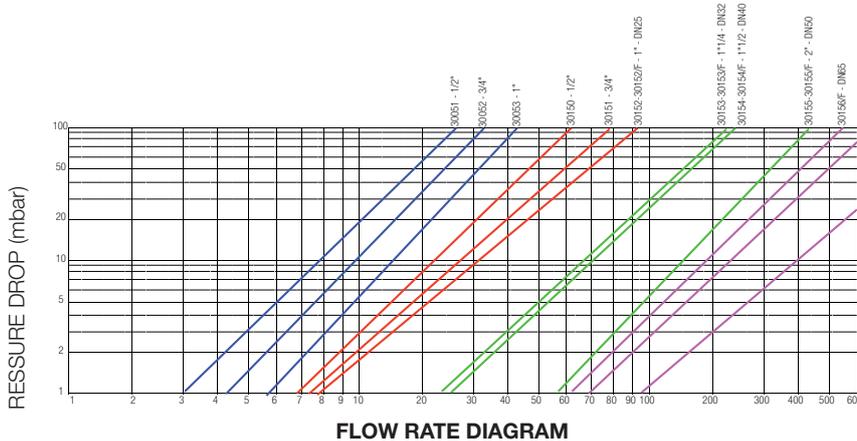
### Threaded Connections

Mod.	Rp	C1	Cg
<b>30051</b>	1/2" * **	30	80
<b>30052</b>	3/4" **	30	100
<b>30053</b>	1" **	30	130
<b>30150</b>	1/2" *	30	190
<b>30151</b>	3/4"	30	240
<b>30151</b>	3/4"	30	285
<b>30153</b>	1" 1/4	30	680
<b>30154</b>	1" 1/2	30	710
<b>30155</b>	2"	30	1300

Tab.5

\* Body by 3/4" with 1/2" reduction included in the box

\*\* Also available in square or Q version (2 active outlets)



NOMINAL FLOW RATE (stmc/h G.N.)  
 Conditions: +15°C, 1013 mbar, dry

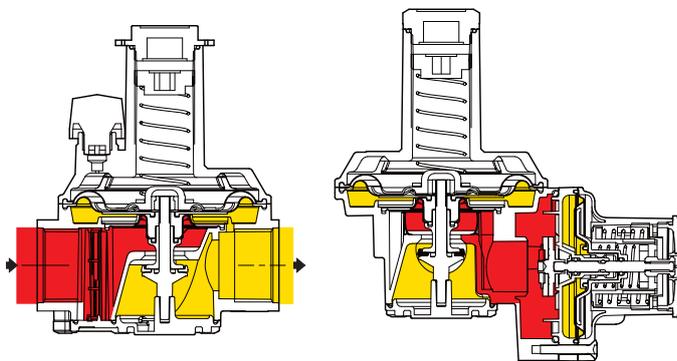
## Governor with filter

### FEATURES

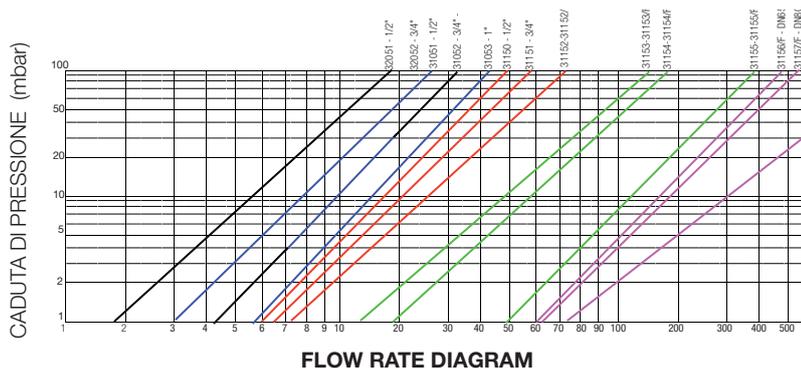
- BPU inlet pressure range: from +2.5 mbar compared to the rated outlet pressure (with  $P_u$  max 500 mbar).
- Design pressure PS: 1 bar
- Wd outlet pressure range: 5÷300 mbar (for compact models 31051-52-53 Wd outlet pressure range 5÷150 mbar).
- Accuracy class AC: 15% of the  $P_d$  calibration value
- SG Closing pressure class: +7.5 mbar/up to 30% of the  $P_d$  calibration value
- Temperature range -15 °C + 60 °C
- Filter (filtration degree) 50  $\mu$ m

GPL flow rate: multiply the table value x 1.2 Nitrogen flow rate: multiply the table value x 0,789

### IT COMPLIES WITH EEC DIRECTIVE 90/396



**GOVERNOR**  
governor with or  
without shut off valve



NOMINAL FLOW RATE (stmc/h G.N.)  
Conditions: +15°C, 1013 mbar, dry

### Threaded Connections

Mod.	Rp	C1	Cg
<b>31051</b>	1/2" * **	30	80
<b>31052</b>	3/4" **	30	100
<b>31053</b>	1" **	30	130
<b>31150</b>	1/2" *	30	150
<b>31151</b>	3/4"	30	175
<b>31152</b>	1"	30	220
<b>31153</b>	1" 1/4	30	460
<b>31154</b>	1" 1/2	30	570
<b>31155</b>	2"	30	1500

Tab.6

### Threaded - With Block

Mod.	Dn	C1	Cg
<b>32051</b>	1/2" * **	30	56
<b>32052</b>	3/4" **	30	70
<b>32053</b>	1" **	30	100

Tab.7

### Flanged Connections

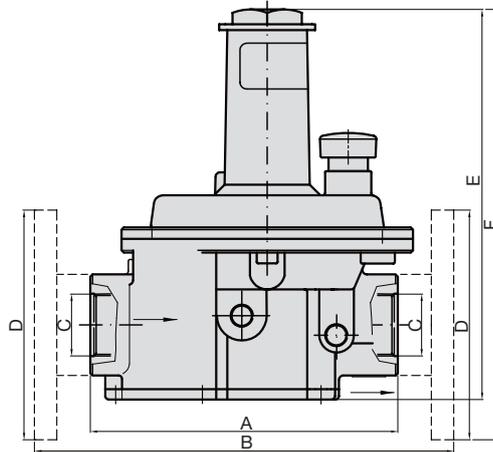
Mod.	Dn	C1	Cg
<b>30152/F</b>	25/sliding	30	220
<b>30153/F</b>	32/sliding	30	460
<b>30154/F</b>	40/sliding	30	570
<b>30155/F</b>	50/sliding	30	1150
<b>30156/F</b>	65	30	1450
<b>30157/F</b>	80	30	1600
<b>30158/F</b>	100	30	2850

Tab.8

\* Body by 3/4" with 1/2" reduction included in the box

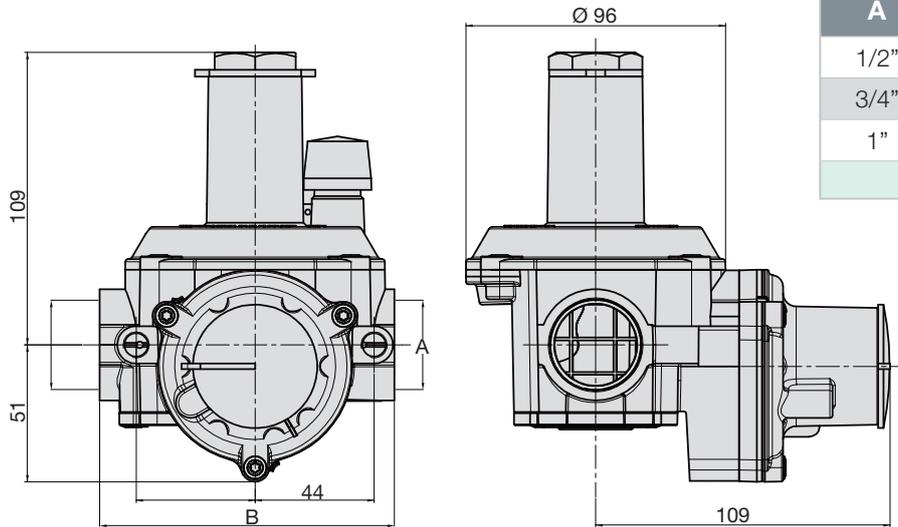
\*\* Also available in square or Q version (2 active outlets)

## DIMENSIONS



Governor with or without filter

Connections	A	B	C	D	E	F
1/2"	104	-	1/2"	-	142	-
3/4"	104	-	3/4"	-	142	-
1"	104	-	1"	-	142	-
1/2"	120	-	1/2"	-	175	-
3/4"	120	-	3/4"	-	175	-
1"	120	-	1"	-	175	-
1"1/4	196	-	1"1/4	-	254	-
1"1/2	196	-	1"1/2	-	254	-
2"	234	-	2"	-	316	-
1" * DN25/S	-	221	-	1" * DN25/S	-	195
1"1/4* DN32/S	-	286	-	1"1/4* DN32/S	-	280
1"1/2 DN40/S	-	311	-	1"1/2 DN40/S	-	285
2"* DN50/S	-	352	-	2"* DN50/S	-	349
2"1/2 DN64	-	430	-	2"1/2 DN64	-	430
3" DN80	-	430	-	3" DN80	-	430
4" DN100	-	430	-	4" DN100	-	430
						Tab.9

**DIMENSIONS**


Conessioni	
A	B
1/2"	113
3/4"	109
1"	109
Tab.11	

Governor with a shut off valve

Reference	Pieces Nr.	Dimensions cm	Volume m3	Weight Kg	PALLET MAX LxDxH cm.		
					Pieces Nr.	Weight Kg	Volume m3
30051 - 30052 - 30053 - 31051 - 31052 - 31053	20	70x30x20	0.04	14	500	120 x 80 x 152 350	1.46
30150 - 30151 - 30152 - 31150 - 31151 - 31152	10	70x30x20	0.04	12.5	250	120 x 80 x 152 312	1.46
30153 - 31153 - 30154 - 31154	1	20x20x27	0.011	3.4	150	120 x 80 x 152 540	2.11
30155 - 31155	1	38x27x35	0.036	5.6	150	120 x 80 x 220 280	220
30152/F - 31152/F	1	20x20x27	0.11	3.3	150	120 x 80 x 220 500	2.11
30153/F - 30154/F - 31153/F 31154/F	1	29x21x31.5	0.019	6.2-7.0	72	120 x 80 x 220 450-510	1.92
30155/F - 31155/F	1	38x27x35	0,036	10.3	50	120 x 80 x 220 515	2.11
30156/F - 30157/F - 30158/F 31156/F - 31157/F - 31158/F	1	45x37x58.5	0,098	12.5	12	120 x 80 x 220 150	1.92
32051 - 32052 - 32053	10	70x30x20	0.04	11.0	250	120 x 80 x 220 275	1.46
							Tab.10

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The data are not binding. We reserve the right to make changes without prior notice.

