

ST 846

COMPACT SINGLE STAGE
GAS PRESSURE GOVERNORS

metrixitalia

ST 846

Application

Pressure governor ST 846 due to its regulation accuracy, it is designed for small users and where the gas is delivered in a not uniform manner.

ST 846 is suitable for indoor and outdoor installations

The double diaphragm provides added security in case of primary-working diaphragm failure and make this product safe and reliable.

Product information

Pressure governor ST 846 is suitable for use with non-corrosive gases, previously filtered. Inlet and outlet test ports allow to control upstream and downstream pressure (option). The version with incorporated filter eliminate the problem to install a separate filter and reduce the space of installation.

Main features

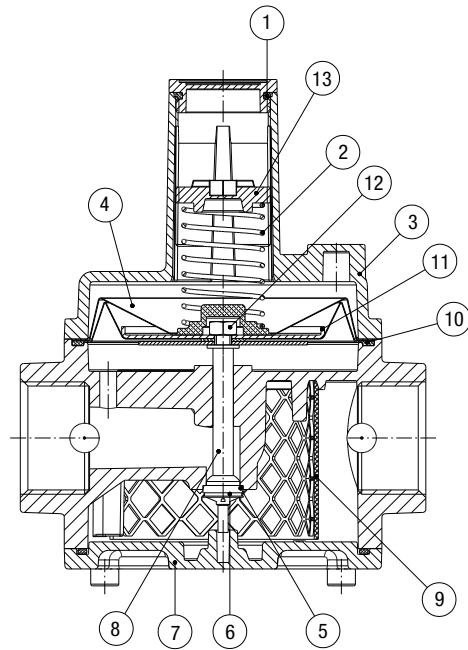
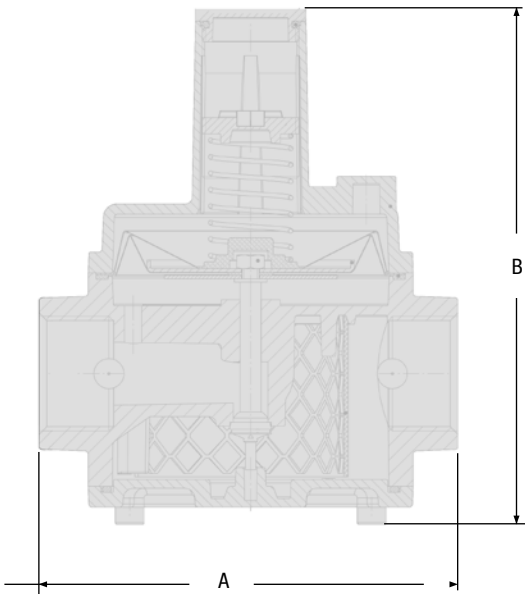
- 2 types: with and without incorporated filter
- Low/medium pressure versions
- High regulation accuracy
- High flow rate
- Spring loaded
- EN 88 compliance
- Threaded and flanged connections
- Compact design
- Easy maintenance
- Regulator Class : A
- Group: 2
- EC approval according EN 88-1

Technical features

Body size	1/2"- 3/4" - 1"	
Connections	Threaded Rp EN 10226 (ISO 7/1) or NPT Flanged UNI (PN) - ANSI	
Max inlet pressure	BP 60 ÷ 100 mbar - MP up to 500 mbar	
Outlet pressure	13,7 ÷ 200 mbar	
Accuracy class	AC%	15
Design temperature	TS	-15 ÷ +60 °C
Ambient temperature		-20 ÷ +60 °C
Design Pressure	PS	1 bar
Filter	50 µm (on request different filtration grade)	
Acceptable gases	Natural gas, town gas, lpg, nitrogen, air, any non-corrosive gas	
Safety devices	Safety diaphragm (standard)	
Reference standards-Approvals	EN 88-1 CE No. 51BS3443 (IMQ)	
On request	Up to 1 bar inlet pressure	Pressure test ports

Standard materials

Body - cover:	Aluminium cast alloys Al Si11 Cu2 (Fe) EN AC 46100
Diaphragm:	Rubber NBR
Valve seat:	Aluminium UNI EN 573 EN AW 2011
Shutter:	Brass CuZn39Pb3 EN12164
Seals	Nitrile rubber O-rings NBR
Springs	EN 10270 zinc plated carbon steel
Filter	Viledon
Test ports	Brass

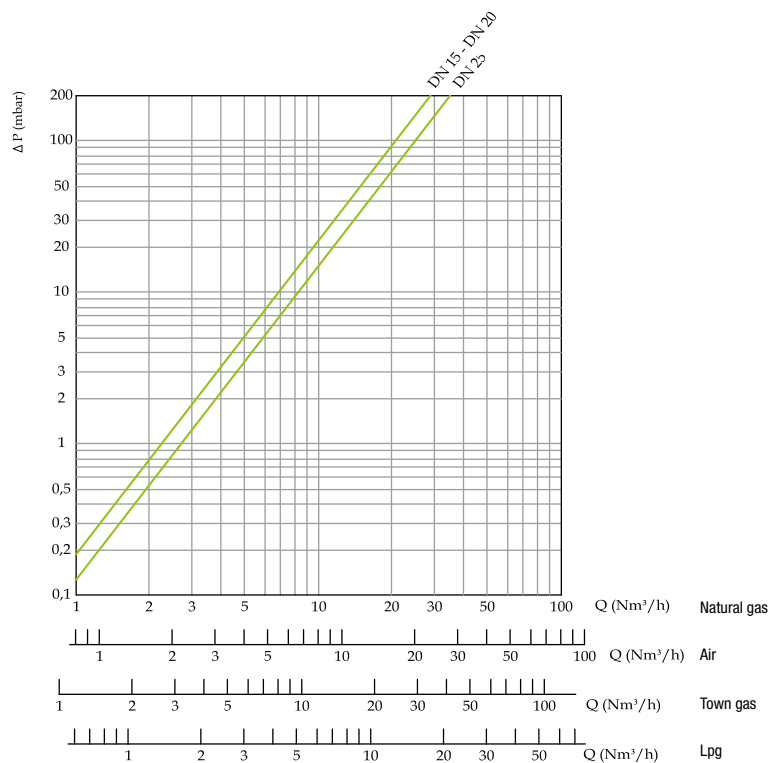


Operation and components

Models	Size	Connections	A [mm]	B [mm]	Filtering surface [mm ²]	Weight Kg
ST 846 15	DN15	Rp 1/2" x 1/2"	120	152	8640	0,7
ST 846 20	DN20	Rp 3/4" x 3/4"	120	152	8640	0,7
ST 846 25	DN25	Rp 1" x 1"	120	152	8640	0,7

- 1 plastic cup
- 2 regulation spring
- 3 cover
- 4 diaphragm
- 5 O-ring
- 6 obturator
- 7 bottom cover
- 8 obturator pin
- 9 filtering organ
- 10 operating diaphragm
- 11 diaphragm plate
- 12 diaphragm fixing nut
- 13 setting screw

Flow capacities



Product range



Rotary piston gas meters



Turbine gas meters



Gas pressure regulators



Electronic volume correctors



Diaphragm gas meters



Smart meters

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