

PRESSURE REGULATORS

SERIE H891

PRESSURE REGULATOR DOUBLE STAGE

INDUSTRIAL
GASES



Pressure Regulators made of brass dual-stage for cylinder or line with control system double shutter and diaphragm. Ideal for applications where is required high stability in the regulated pressure. Setting range from 1.5, 4, 10 bar. Complete with 2 pressure gauges for reading the inlet pressure and outlet pressure.

APPLICATIONS:

- Used where stable outlet pressure is required;
- Ideal for quality cutting applications, laboratory systems or precision machine cutting;

FEATURES:

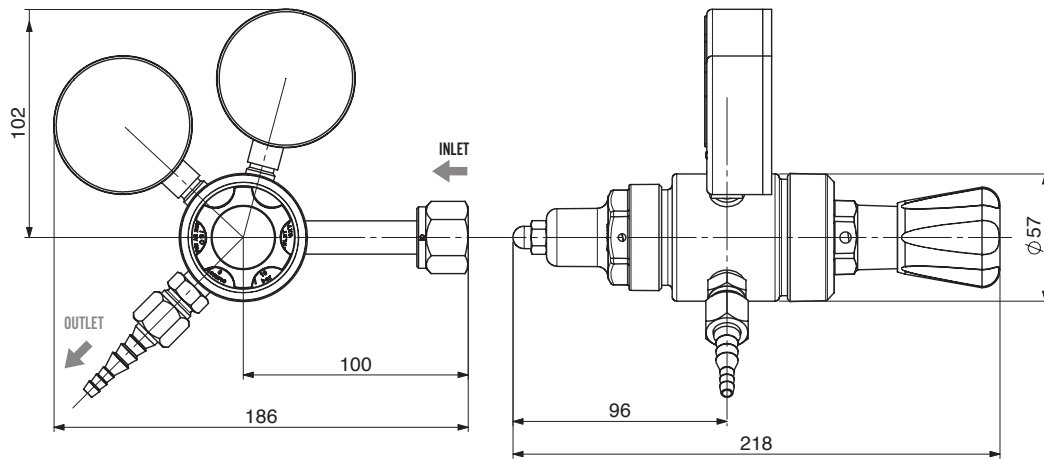
- Barstock brass body for maximum strength
- Maximum inlet pressure of 230 bar (300 bar optional)
- First stage reduces full cylinder pressure by approximately 90%
- Side entry
- B version fitted with black bonnet and black gauge case
- Temperature Range: -20 +60 °C
- Leak rate: max 10 cmq/h, according to ISO 9090
- Weight: 2.3 Kg
- Bonnet first stage in Brass, second stage in Zama 15
- Diaphragm in Neoprene
- Valve seat in PTFE (Teflon)
- Pressure gauges according to ISO 5171

MATERIALS

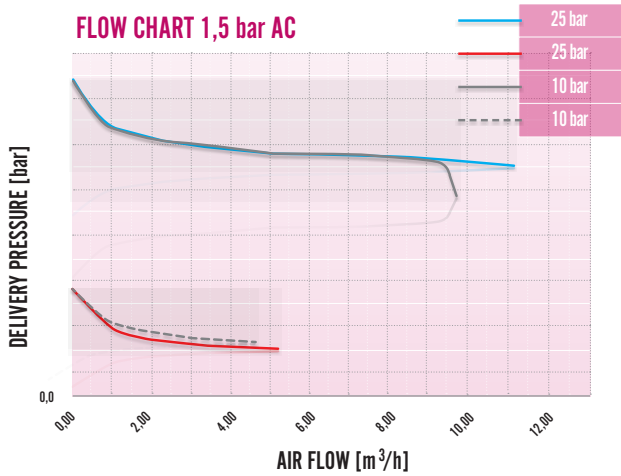
Body	Brass
Bonnet	Brass
Internal parts	Brass
Shutter	PTFE

TECHNICAL DATA

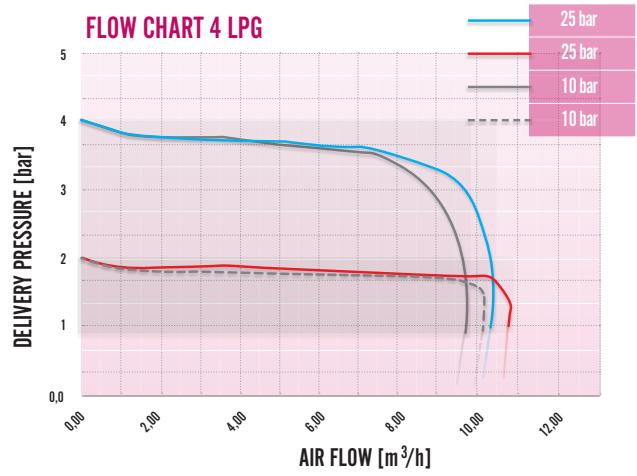
Flow rate	45 Nm ³ /h
P. max Intet	230 bar (300 optional)
Temperature range	-10°C +60°C
Weight	2.3 kg
Delivery pressure	0,5-1.5 bar / 0-4 bar / 0-10 bar
Dauges	Diam 63 mm/According to ISO5171



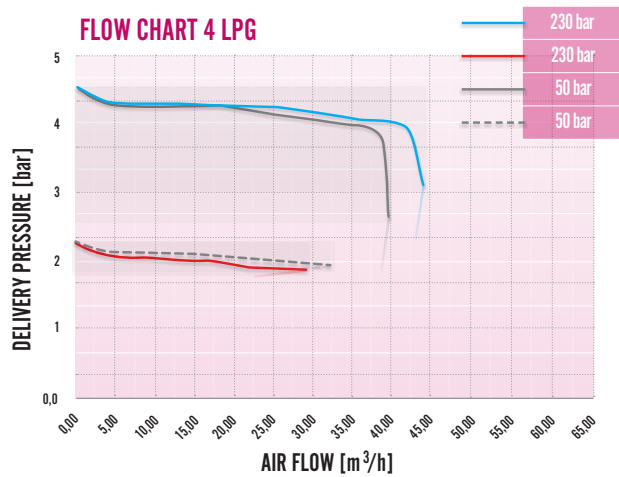
FLOW CHART 1,5 bar AC



FLOW CHART 4 LPG



FLOW CHART 4 LPG



Code	Gas	Max Intel Pressure	Delivery Pressure	Max Air Flow	Delivery Pressure Gauge	Supply Pressure Gauge
H891C2H21.5	Acetylene	25 bar	0 - 1,5 bar	12 (m3 / h)	0 - 2,5 bar	0 - 40 bar
H891GPL4	Propane	25 bar	0 - 4 bar	9 (m3 / h)	0 - 6 bar	0 - 40 bar
H891024	Oxygen	230 bar	0 - 4 bar	30 (m3 / h)	0 - 6 bar	0 - 315 barr
H891N24	Argon, CO2, Nitrogen, Air, Helium, Hydrogen, Methane	230 bar	0 - 4 bar	30 (m3 / h)	0 - 6 bar	0 - 315 bar
H8910210	Oxygen	230 bar	0 - 10 bar	42 (m3 / h)	0 - 16 bar	0 - 315 bar
H891N24	Argon, CO2, Nitrogen, Air, Helium, Hydrogen, Methane	230 bar	0 - 10 bar	42(m3 / h)	0 - 16 bar	0 - 315 bar

[*] The regulator is available for all the listed gases. When ordering always specify gas.