

Water and Compressed Air Service Pressure Regulator 1/4", 3/8" and 1/2" Port Sizes

- **Non-relieving models**
- **Brass body, corrosion resistant construction**
- **Balanced valve minimizes effects of inlet pressure variations on outlet pressure**
- **T-bar adjustment standard, nonrising knob adjustment optional**
- **Full flow gauge ports can be used as auxiliary outlets**
- **Panel mounting nut standard**
- **Can be disassembled without the use of tools or removal from the air or water line.**



Ordering Information. Models listed have T-handle adjustment, 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range*, and PTF threads. A gauge is not included.

Port	Model	Flow† U.S. gpm (lpm)	Weight lb (kg)
1/4"	R43-201-NNLA	6 (23)	2.4 (1.09)
3/8"	R43-301-NNLA	6 (23)	2.4 (1.09)
1/2"	R43-406-NNLA	9 (34)	2.4 (1.09)

Alternative Models
R 4 3 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4

Adjustment	Substitute
Knob	00
T-handle with 1/4" and 3/8" ports	01
T-handle with 1/2" ports	06

Diaphragm	Substitute
Non relieving	N

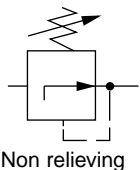
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Outlet Pressure Adjustment Range*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.6 bar)	L
15 to 250 psig (1 to 17 bar)	S

Gauges	Substitute
With	G
Without	N

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

† Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from set.

ISO Symbols


See Section ALE-24 for Accessories



Technical Data

Fluid: Water and compressed air
 Maximum pressure: 400 psig (27 bar)
 Operating temperature:
 Water service: 35° to 200°F (2° to 93°C)
 Air service: -30° to 200°F (-34° to 93°C) *

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
 Typical flow for water service at 150 psig (10.3 bar) inlet pressure, 60 psig (4 bar) set pressure and a droop of less than 5 psig (0.35 bar) from set:
 1/4", 3/8" Ports: 6 U.S. gpm (22 liters per minute)
 1/2" Ports: 9 U.S. gpm (45 liters per minute)

Gauge ports

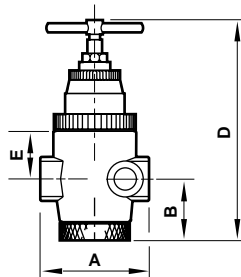
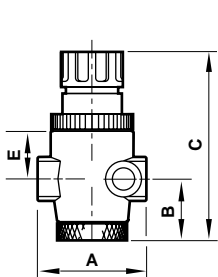
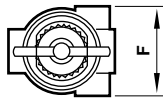
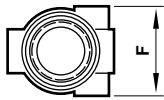
- 1/4" PTF with PTF main ports
- 1/4" ISO G with ISO G main ports
- 1/4" ISO Rc with ISO Rc main ports

Materials:

- Body: Brass
- Bonnet: Aluminum
- Valve: Brass
- Bottom plug: Brass
- Elastomers: Nitrile

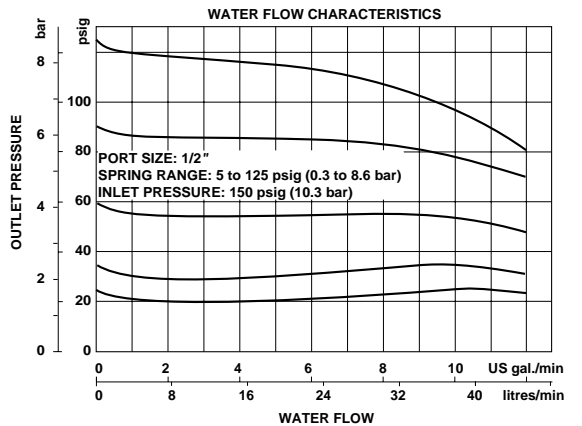
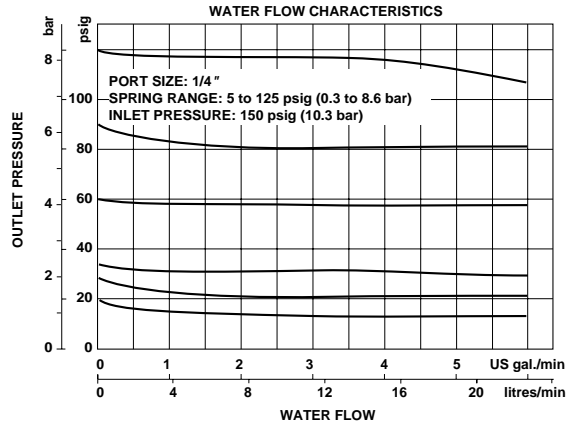
All Dimensions in Inches (mm)

Panel mounting hole diameter: 1.89" (48 mm)
 Maximum panel thickness: 0.19" (5 mm)



Port Size	A	B	C	D	E	F
1/4", 3/8"	2.76 (70)	1.52 (39)	4.86 (124)	5.75 (146)	1.21 (31)	2.31 (59)
1/2"	3.34 (85)	1.59 (41)	5.01 (127)	5.90 (150)	1.28 (33)	2.44 (62)

Typical Performance Characteristics



Service Kits

Item	Type	Part number
Service kit	For 1/4" and 3/8" ported units	5298-03
	For 1/2" ported units	5298-10

Service kit includes diaphragm, o-rings, valve, valve spring.