

11-002

Pressure Regulator

1/4", 3/8", and 1/2", 3/4, and 1 ports

- Large diaphragm provides accurate and quick response to changing flow demands and line pressure
- Floating valve pin provides positive valve seating
- Balanced valve minimizes effect of variations in inlet pressure on outlet pressure
- Standard relieving models allow reduction of downstream pressure when the system is dead-ended



Technical data

Fluid:

Compressed air, neutral gases

NOTE: Contact technical support for use with other media.

Maximum pressure:

400 psig (28 bar)

Operating temperature*:

-30° to 175°F (-34° to 80°C)

*Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)

Gauge ports

1/8" PTF with PTF main ports

Rc1/8 with ISO G main ports

Materials

Body: zinc

Bonnet: aluminum

Valve: brass and nitrile

Valve seat: brass, or zinc

Elastomers: nitrile

Bottom plug:

1/4" and 3/8" ports: brass

1/2" Ports: nylon

Ordering information

Models listed have T-bar adjustment, relieving diaphragm. PTF models are 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range*. For alternative models please contact the factory.

ISO Symbols	Port Size	Model Number	Model Number w/ panel mount option	Flow scfm (dm ³ /s)	Weight lbs (kg)
	1/4"	11-002-013	11-002-013-2A	60 (30)†	1.9 (0.86)
	3/8"	11-002-037	11-002-037-2A	60 (30)†	1.9 (0.86)
	1/2"	11-002-061	11-002-061-2A	200 (100)†	2.0 (0.91)

* 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.

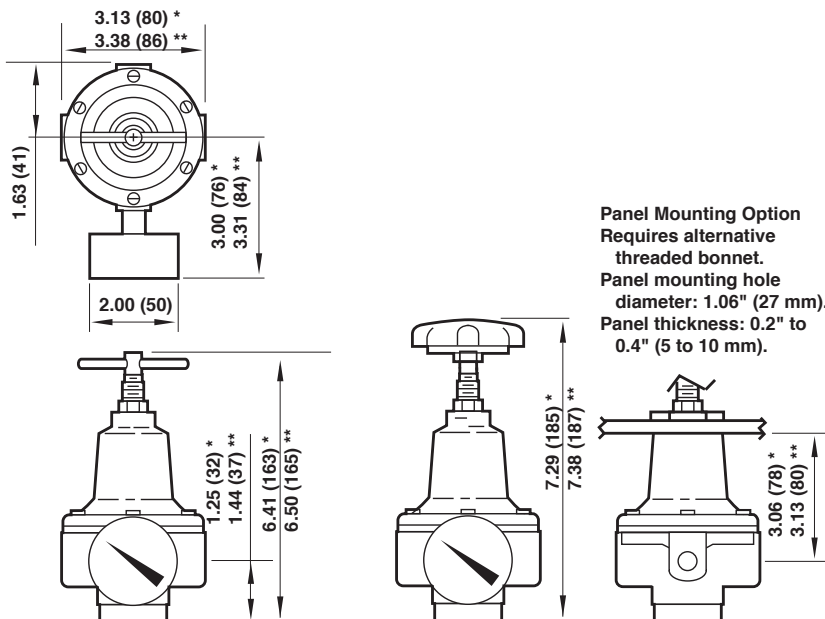
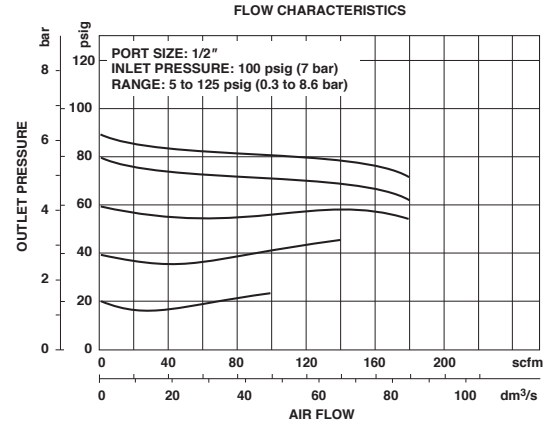
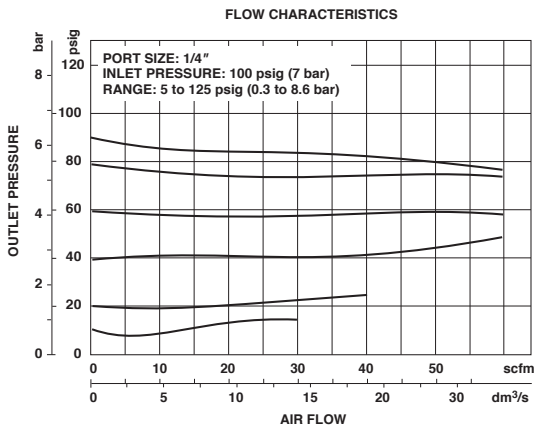
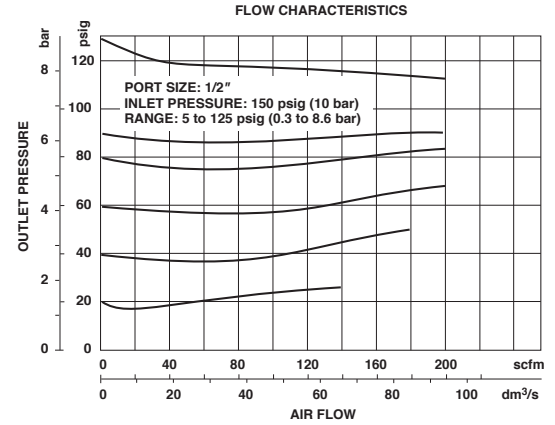
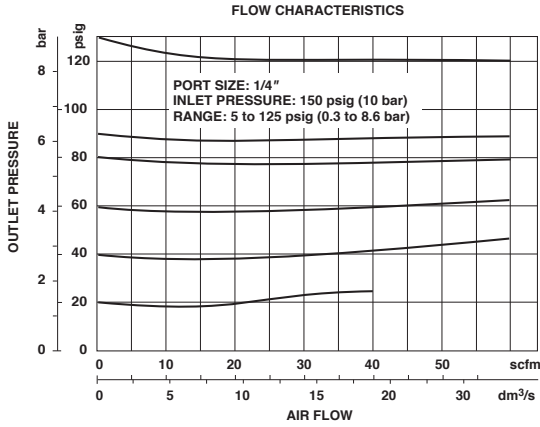
** Typical flow with 100 psig (7 bar) inlet pressure, 60 psig (4 bar) set pressure and 15 psig (1 bar) droop from set.

Service Kits

Type	Part number
Relieving, 1/4" and 3/8" ports	529-03
Relieving, 1/2" ports	535-03

Kit includes diaphragm, valve, valve spring, and o-rings.

Typical Performance Characteristics



Dimensions in inches (mm)