R46

Miniature Non-repairable Pressure Regulator 1/4" Port Size

- **Reliable pressure regulation at air flows up to 13 scfm (6 dm³/s)**
- **Compact design and light weight construction**
- **Wrench flats for easy installation**
- **Relieving piston design allows reduction of downstream pressure when the system is dead-ended**
- **Choice of left to right or right to left flow**

Ordering Information. Model listed has left to right flow, 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range*, and PTF threads. Gauge is not included.

Port Size	Model	Flow† scfm (dm³/s)	Weight lb (kg)
1/4"	R46-200-RNLA	13 (6)	0.2 (0.09)

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

Alternative Models

R 4 6 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1/4"	2

Flow Direction With Knob Up and Gauge Visible	Substitute
Left to Right	00
Right to Left	02

Piston Type	Substitute
Relieving	R

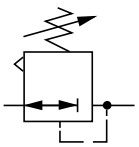
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.5 bar)	L
5 to 150 psig (0.3 to 10 bar)	M

Gauge	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.

ISO Symbols



Relieving

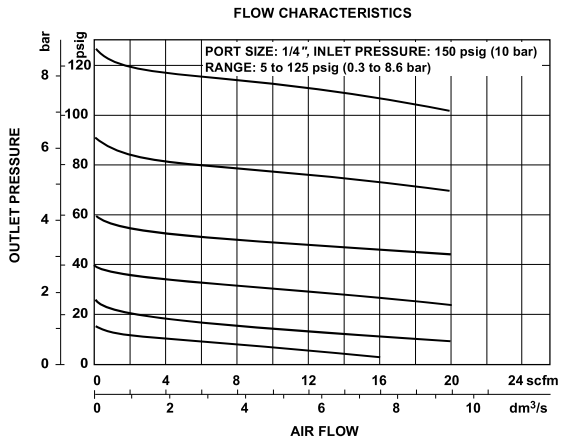
See Section ALE-25 for Accessories

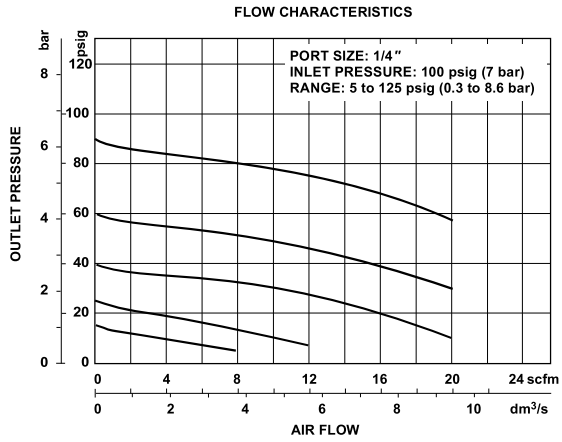
Technical Data

Fluid: Compressed air
Maximum pressure: 250 psig (17 bar)
Operating temperature*: -30° to 150°F (-34° to 65°C)
*Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from from set: 13 scfm (6 dm^3/s)
Gauge ports:
- 1⁄8 PTF with PTF main ports
- Rc1/8 with ISO G and ISO Rc main ports

Materials
- Body: Zinc
- Knob: Nylon
- Valve: Nitrile compound
- Valve seat: Acetal
- Elastomers: Nitrile

Typical Performance Characteristics





All Dimensions in Inches (mm)