

**Accurate and quick response to changes in flow demand and line pressure variations**

**Balanced valve minimizes effect of changes in inlet pressure on outlet pressure**

**Standard relieving models allow reduction of outlet pressure even when the system is dead-ended**

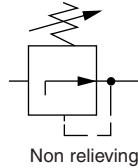
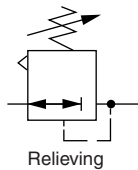
**Full flow gauge ports**

**Low torque, non-rising adjusting knob**  
**Integral locking device on knob adjustment**

**Can be serviced without removal from the air line**



### ISO Symbols



**Ordering Information.** Models listed are knob adjustment, relieving type with gauge, 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range\*, and PTF threads.

Port Size	Model Number	Flow† scfm (dm <sup>3</sup> /s)	Weight lbs (kg)
3/4"	R17-600-RGLA	440 (208)	2.31 (1.05)
1"	R17-800-RGLA	480 (227)	2.02 (0.92)
1-1/4"	R17-A00-RGLA	400 (189)	2.68 (1.22)
1-1/2"	R17-B00-RGLA	440 (208)	2.59 (1.18)

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

### Alternative Models

R 1 7 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
3/4"	6
1"	8
1-1/4"	A
1-1/2"	B

Option	Substitute
Not applicable	0
Adjustment	Substitute
Knob	0
T-bar	1

Diaphragm	Substitute
Relieving	R
Non relieving	N

Threads	Substitute
PTF	A
ISO Rc taper	B
BSPP (1-1/2" ported units only)	C
ISO G parallel (not available with 1-1/2" ported units)	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
10 to 250 psig (0.7 to 17 bar)	S

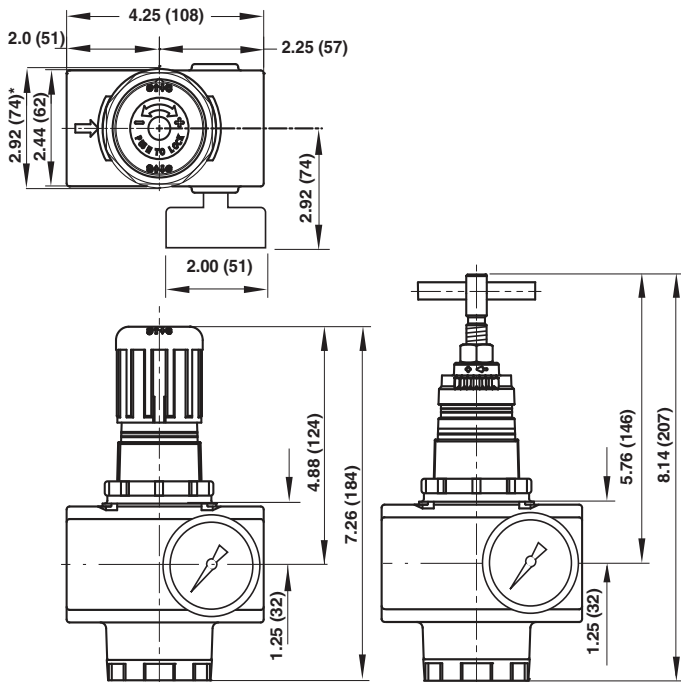
Gauge	Substitute
With	G
Without	N

\* 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.

## Technical Data

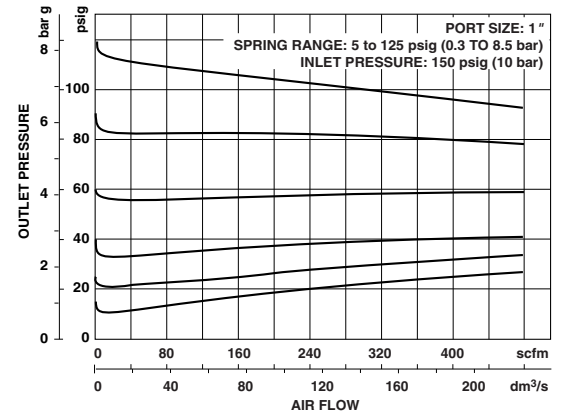
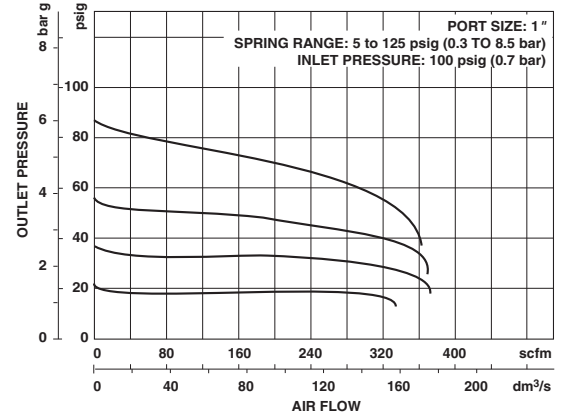
Fluid: Compressed air  
 Maximum pressure: 300 psig (20 bar)  
 Operating temperature: -30° to 175°F (-34° to 80°C)\*  
 \* Air supply must be dry enough to avoid ice formation at temperatures 35°F (2°C).  
 Typical flow at 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure, and a pressure of 15 psig (1 bar) from set: 480 scfm (227 dm<sup>3</sup>/s)  
 Gauge ports:  
 1/4" PTF with PTF main ports  
 R1/4 with ISO Rc, ISO G, and BSPP main ports  
 Materials  
 Body: Aluminum  
 Bonnet: Aluminum  
 Bottom plug: Acetal  
 Valve: Aluminum and nylon  
 Elastomers: Nitrile

All Dimensions in Inches (mm)



Panel mounting hole diameter: 2.28" (58 mm)  
 Panel thickness: 0.06" to 0.16" (2 to 4 mm)  
 \*OD of panel mount nut. Nut not included

## Typical Performance Characteristics



## Service Kits

## Accessories

Type	Part number	Tamper resistant cover and seal wire	Panel mount nut	Panel mount bracket with nut
Relieving	5578-02	 4355-51	 5226-97	 5570-04
Non relieving	5578-01			

Service kit contains, diaphragm, all o-rings, valve, and valve spring.