

R17 General Purpose Regulators



- > High flow regulator, 3/4" to 1-1/2" ports
- > 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



Technical features

Medium:

Compressed air, neutral gases
NOTE: Contact technical support for use with other media.

Operating temperature:

-30°F 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:

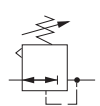
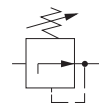
1/4" PTF with PTF main ports
R1/4" with ISO G, and BSPP main ports

Materials:

Body: aluminum
Bonnet: aluminum
Bottom plug: acetal
Valve: aluminum and nylon
Elastomers: nitrile

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.

ISO Symbols	Port Size	Model Number	Flow* scfm (dm ³ /s)	Weight lbs (kg)
 R17 Relieving	3/4"	R17-600-RGLA	440 (208)	2.31 (1.05)
 R17 Non relieving	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 droop of 15 psig (1 bar) from set.

Alternative Models

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

Adjustment	Substitute
Knob	0
T-bar	1

R17-★0★-★★★★

Threads	Substitute
PTF	A
BSPP (1-1/2" ported units)	C
ISO G parallel (not available with 1-1/2" ported units)	G

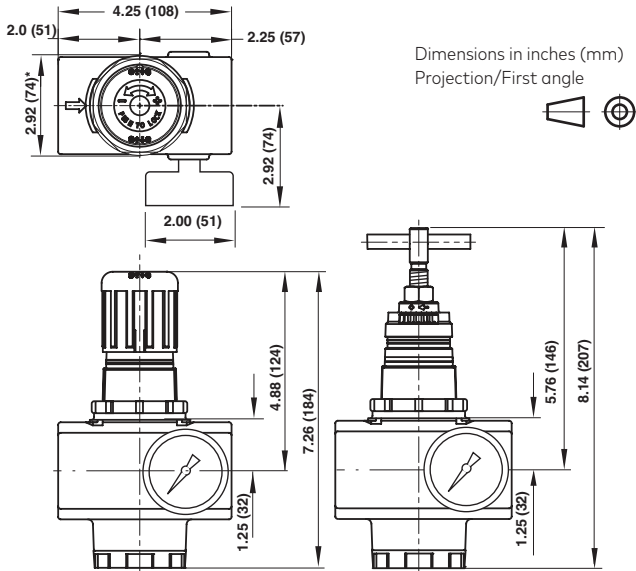
Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.35 to 3.5 bar)	E
5 to 125 psig (0.35 to 8.5 bar)	L
10 to 250 psig (0.7 to 17 bar)	S

Gauges	Substitute
With	G
Without	N

Diaphragm	Substitute
Non-relieving	N
Relieving	R

Product Alternative: R68

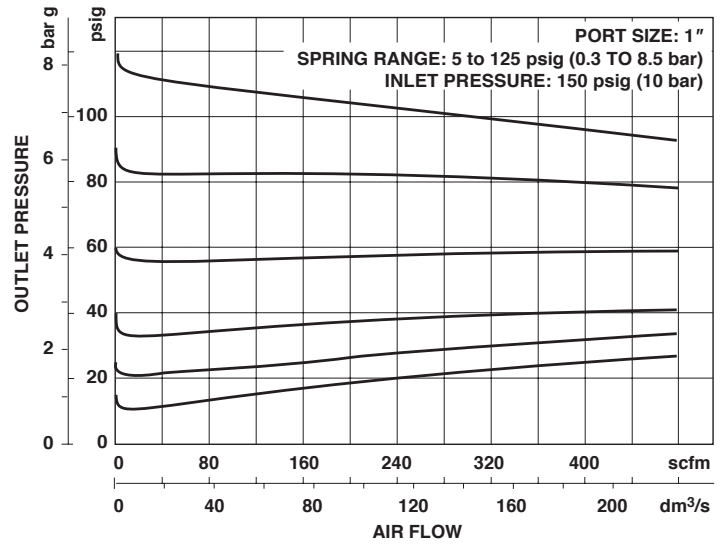
Panel mounting hole diameter: 2.28" (58 mm)
 Panel thickness: 0.06" to 0.16" (2 to 4 mm)









Dimensions in inches (mm)
 Projection/First angle

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




Accessories

Neck mount bracket with nut	Panel mount nut	Tamper evident cover and seal wire	Service Kit non-relieving	Service Kit relieving	Concentric reducing adaptors for gauge ports
					
5570-04	5226-97	4355-51	5578-01	5578-02	R1/4-G1/8 150232818

Gauge

Center back connection, white face




bar *1	Mpa	psi	Ø	Thread size	Model
0 to 4	0 to 0.4	0 to 58	50 mm	R1/8 *2)	18-015-011
0 to 10	0 to 1	0 to 145	50 mm	R1/8 *2)	18-015-013
0 to 25	0 to 2.5	0 to 362	50 mm	R1/8 *2)	18-015-014

*1) Primary scale
 *2) Concentric reducing adapter for gauge ports Model 150232818 (R1/4-G1/8)

Gauge

Center back connection, black face



psig *1	bar	Mpa	Ø	Thread size	Model
0 to 60	0 to 0.4	0 to 0.4	2" 50 mm	1/4 NPT	18-015-206
0 to 160	0 to 11	0 to 1.1	2" 50 mm	1/4 NPT	18-015-209
0 to 300	0 to 20	0 to 2.1	2" 50 mm	1/4 NPT	18-015-210

*1) Primary scale

Warning

Improper selection, misuse, age or malfunction of components used in systems can cause failure in various modes. The system designer is warned to consider the failure modes of all component parts and to provide adequate safeguards to prevent personal injury or damage to equipment or property in the event of such failure modes. System designers and end users are cautioned to consult instruction sheets and specifications available from the factory. The system designer/end user is responsible for verifying that all requirements for the application are met.

Warranty

The products described herein are warranted subject to seller's Standard Terms and Condition of Sale, available at seller's website.

Proposition 65: These products may contain chemicals known to the state of California to cause cancer, or birth defects, or other reproductive harm.