

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

Integral locking device on knob adjustment



Technical data

Fluid:

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

Maximum pressure:

300 psig (20 bar)

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:

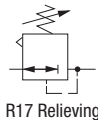
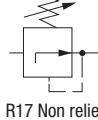
1/4" PTF with PTF main ports
1/4" ISO R with ISO G main ports

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 (dm3/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 100 psig (0.7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set.

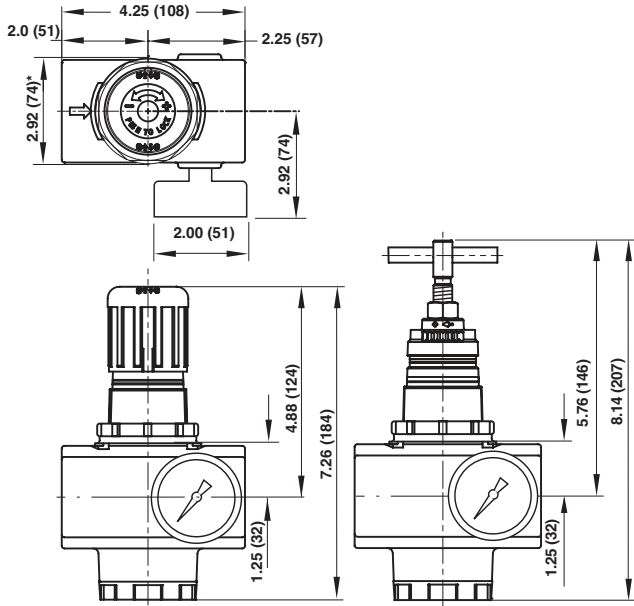
Alternative Models

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
ISO G	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
Gauges	Substitute
With	G
Without	N
Diaphragm	Substitute
Non-relieving	N
Relieving	R

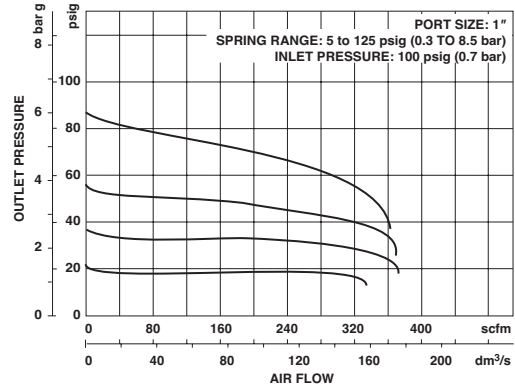
Panel mounting hole diameter: 2.28" (58 mm)
Panel thickness: 0.06" to 0.16" (2 to 4 mm)



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*OD of panel mount nut. Nut not included

Dimensions in inches (mm)

Typical Performance Characteristics R17



Service Kits

Item	Type	Part number
Service kit	Relieving	5578-02
	Non relieving	5578-01

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