

- > 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 data

Medium:

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:

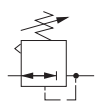
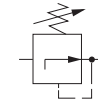
1/4" PTF with PTF main ports
R1/4" with ISO G, and BSPP main ports

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 (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) |

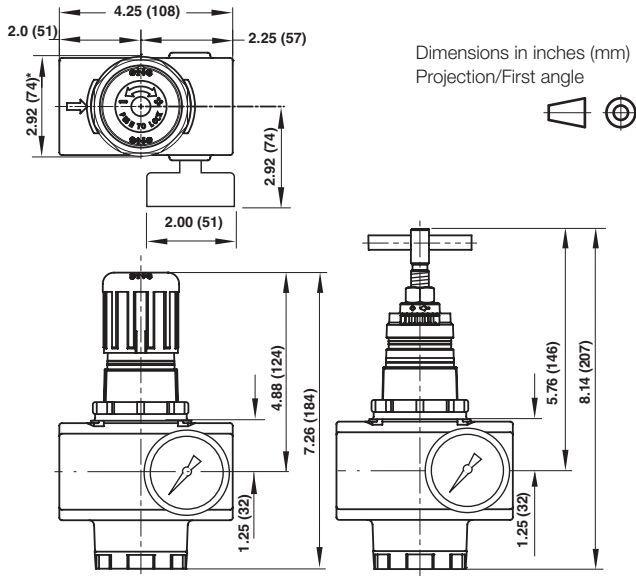
† Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set.

Alternative Models

| Port Size | Substitute | Threads | Substitute |
|------------|------------|---|------------|
| 3/4" | 6 | PTF | A |
| 1" | 8 | BSPP (1-1/2" ported units) | C |
| 1-1/4" | A | ISO G parallel (not available with 1-1/2" ported units) | G |
| 1-1/2" | B | | |
| Adjustment | Substitute | Outlet Pressure Adjustment Ranges* | Substitute |
| Knob | 0 | 5 to 50 psig (0.35 to 3.5 bar) | E |
| T-bar | 1 | 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 |

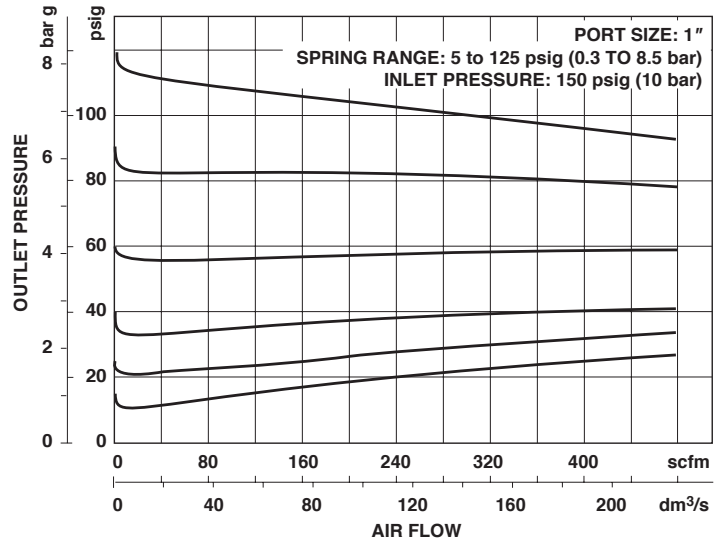
Product Alternative: R68

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



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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 | 5872-01 | 5578-02 | R1/4-G1/8 150232818 |

Gauge

Center back connection, white face

| Pressure range | | | | | |
|----------------|----------|----------|-------|-------------|------------|
| 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

| Pressure range | | | | | |
|----------------|----------|----------|----------|-------------|------------|
| 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.