**17 Series**
**General Purpose Regulator**
**3/4″, 1″, 1 1/4″ and 1 1/2″ Port Sizes**

- **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**



## Technical Data

Fluid: Compressed air
Maximum pressure: 20 bar (300 psig)
Operating temperature: -18° to +80°C (0° to +175°F)

* Air supply must be dry enough to avoid ice formation at temperatures +2°C (+35°F).

Typical flow at 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure, and a droop of 1 bar (15 psig) from set: 227 $dm^3/s$ (480 scfm)

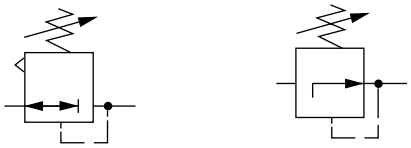
Gauge ports:
- 1/4″ PTF with PTF main ports
- R1/4 with ISO Rc, ISO G, and BSPP main ports

Materials:
- Body: Aluminum
- Bonnet: Aluminum
- Bottom plug: Acetal
- Valve: Aluminum and nylon
- Elastomers: Nitrile

## Ordering Information

See *Ordering Information* on the following pages.

## ISO Symbols

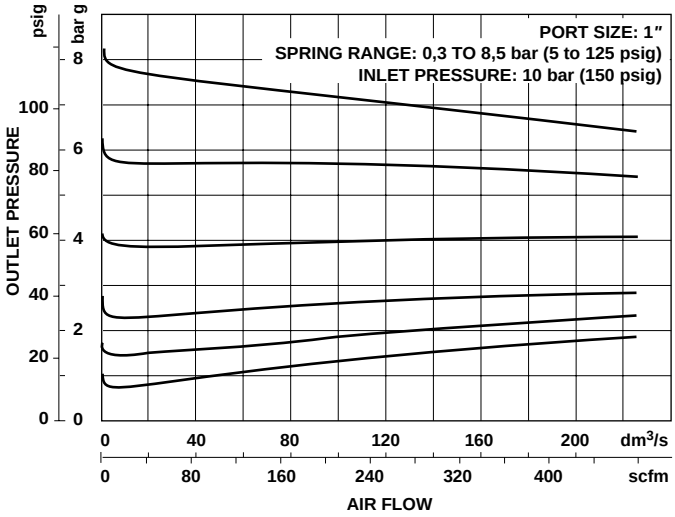


Relieving | Non relieving



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## Typical Performance Characteristics




**Ordering Information.** Models listed are knob adjustment, relieving type without gauge, 0,3 to 8,5 bar (5 to 125 psig) outlet pressure adjustment range*, and ISO G threads (BSPP threads on 1 1/2″ ported units).

| Port Size | Model Number | Flow† dm³/s (scfm) | Weight kg (lbs) |
|---|---|---|---|
| G3/4 | R17-600-RNLG | 208 (440) | 1.05 (2.31) |
| G1 | R17-800-RNLG | 227 (480) | 0.92 (2.02) |
| G1-1/4 | R17-A00-RNLG | 189 (400) | 1.22 (2.68) |
| G1-1/2 | R17-B00-RNLC | 208 (440) | 1.18 (2.59) |

† Typical flow with 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure and a 1 bar (15 psig) 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 |

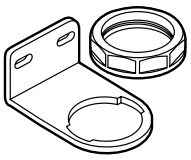
| Threads | Substitute |
|---|---|
| PTF | A |
| ISO Rc taper | B |
| BSPP (1 1/2″ ported units only) | C |
| ISO G parallel (not available with1 1/2″ ported units) | G |

| Outlet Pressure Adjustment Ranges* | Substitute |
|---|---|
| 0,3 to 3,5 bar (5 to 50 psig) | E |
| 0,3 to 8,5 bar (5 to 125 psig) | L |
| 0,7 to 17 bar (10 to 250 psig) | 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.

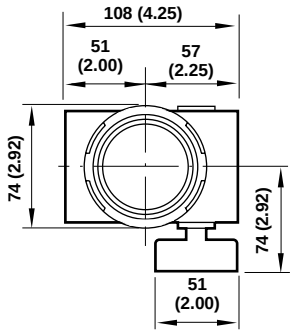
## Accessories

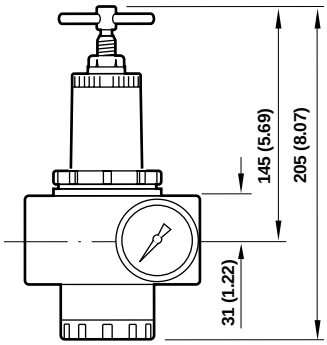
|  Wall bracket and panel nuts |  Regulator adjustment tamper resistant accessory |  ∅50 mm Pressure Gauge | R1/4 Connection | 1/4 PTF Connection |
|---|---|---|---|---|
| Bracket, plastic nut: 5570-04 | Seal wire: 2117-01 | 4 bar (60 psig): | 18-013-266 | 18-013-208 |
| Plastic nut: 5226-89 | | 10 bar (160 psig): | 18-013-260 | 18-013-209 |
| Metal nut: 5226-97 | | 20 bar (300 psig): | 18-013-267 | 18-013-210 |

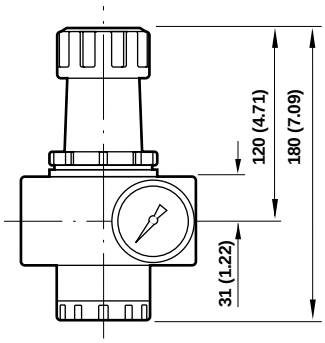

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## Dimensions – mm (Inches)

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

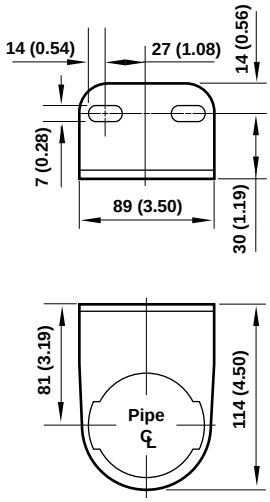



## Wall Bracket

Use 5mm (3/16″) screws to mount bracket to wall.




## Wall Bracket reference

| Model | Part number |
|---|---|
| All models | 5570-04 |

## 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.


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## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under **'Technical Data'.**

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

**System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.


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