

**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<sup>3</sup>/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

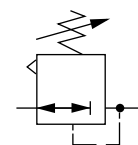
Valve: Aluminum and nylon

Elastomers: Nitrile

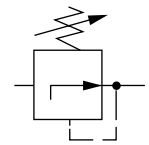
### Ordering Information

See *Ordering Information* on the following pages.

### ISO Symbols



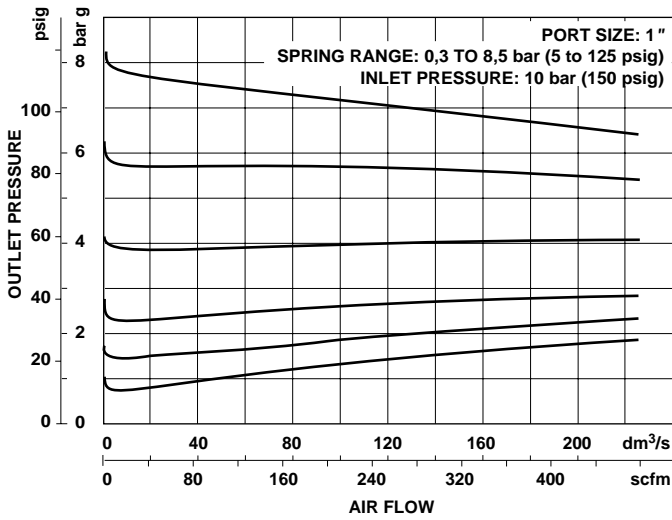
Relieving



Non relieving



### 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



Port Size	Substitute	Threads	Substitute
3/4"	6	PTF	A
1"	8	ISO Rc taper	B
1 1/4"	A	BSPP (1 1/2" ported units only)	C
1 1/2"	B	ISO G parallel (not available with 1 1/2" ported units)	G
Option	Substitute	Outlet Pressure Adjustment Ranges*	Substitute
Not applicable	0	0,3 to 3,5 bar (5 to 50 psig)	E
Adjustment	Substitute	0,3 to 8,5 bar (5 to 125 psig)	L
Knob	0	0,7 to 17 bar (10 to 250 psig)	S
T-bar	1	Gauge	Substitute
Diaphragm	Substitute	With	G
Relieving	R	Without	N
Non relieving	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.

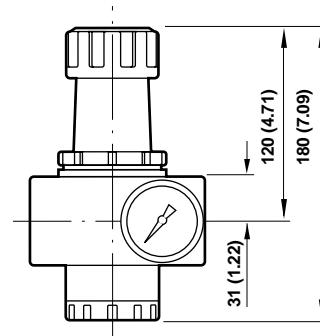
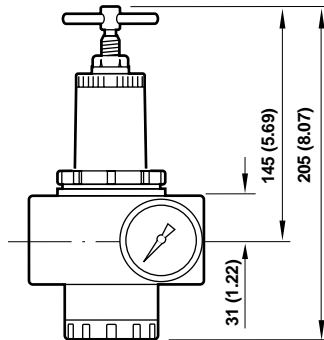
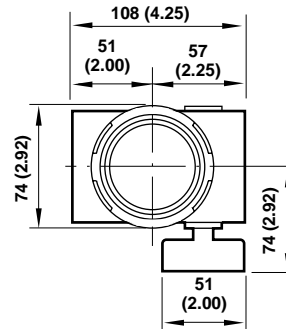
### Accessories

Wall bracket and panel nuts	Regulator adjustment tamper resistant accessory	Ø50 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



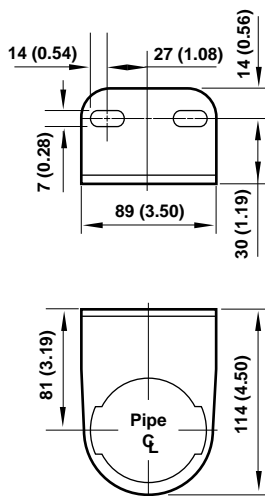
### Dimensions – mm (Inches)

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.



## 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.