

**Manifold Regulator  
8 mm and 10 mm Port Sizes**

- **Push-in fittings in ports. No need for threaded connectors and fittings**
- **Push to lock adjusting knob with tamper resistant accessory**
- **Integral base mounting**
- **Water or compressed air only**


**Technical Data**

Fluid: Compressed air or water

Maximum pressure: 10 bar (150 psig)

Operating temperature\*: -5° to +40°C (23° to +104°F)

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

Approximate 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:  
8 dm<sup>3</sup>/s

Gauge port:

(can be used as additional outlet port)

10 mm o/d tube with 10 mm o/d tube main ports

8 mm o/d tube with 8 mm o/d tube main ports

Two inlet ports:

10 mm o/d tube or 8 mm o/d tube

One outlet port:

10 mm o/d tube with 10 mm o/d tube inlet

8 mm o/d tube with 8 mm o/d tube inlet

Materials:

Body: Acetal

Bonnet: Acetal

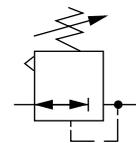
Valve: Brass/nitrile

Elastomers: Nitrile

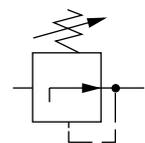
Valve seat: Acetal

**Ordering Information**

See *Ordering Information* on the following pages.

**ISO Symbols**


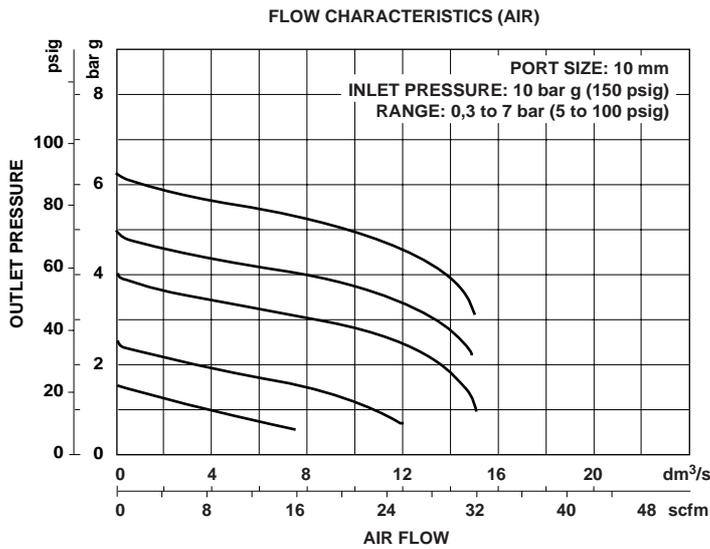
Relieving



Non relieving



Typical Performance Characteristics



**Ordering Information.** Models listed include 10 mm push-in fittings, knob adjustment, relieving diaphragm, 0 to 4,8 bar (0 to 70 psig) outlet pressure adjustment range\* without gauge, with porting plug.

Port	Model	Flow† dm <sup>3</sup> /s (scfm)	Weight kg (lb)
8 mm	R30M-8DK-RGN	8,00	0,10 (0.22)
10 mm	R30M-ADK-RGN	8,00	0,10 (0.22)

† 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 3 0 M - ★ D K - ★ ★ ★

Port Size	Substitute
8 mm	8
10 mm	A

Push-In Form	Substitute
Metric	D

Adjustment	Substitute
Knob	K

Gauge	Substitute
With	G
Without	N

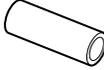
Outlet Pressure Adjustment Ranges*	Substitute
0 to 4,8 bar (0 to 70 psig)	G
0.3 to 7 bar (5 to 100 psig)	K

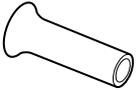
Type	Substitute
Relieving	R
Non relieving	N

\* 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**

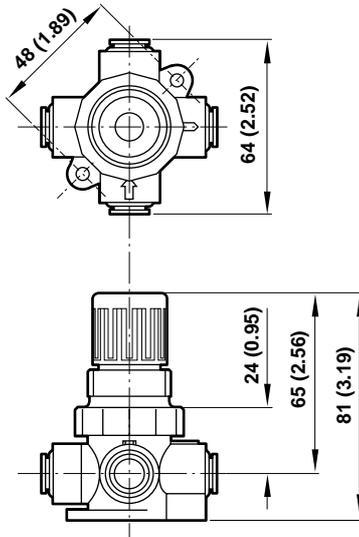
				
Panel Nut	Tamper Resistant Field Modification	Ø 50 mm R1/8 Pressure Gauge Connection	Straight Stem Connector	Gauge Adaptor
Plastic: 2962-89	Knob and screw: 18-001-092	4 bar (60 psig): 18-013-025	8 mm: 11 022 0800	8 mm: 74679-02
Metal: 2962-04	Screw only: 6097-08	6 bar (80 psig): 18-013-026	10 mm: 11 022 1000	10 mm: 74679-03
		10 bar (150 psig): 18-013-027		
		25 bar (350 psig): 18-013-028		


Porting Plug
8 mm: 11 004 0800
10 mm: 11 004 1000

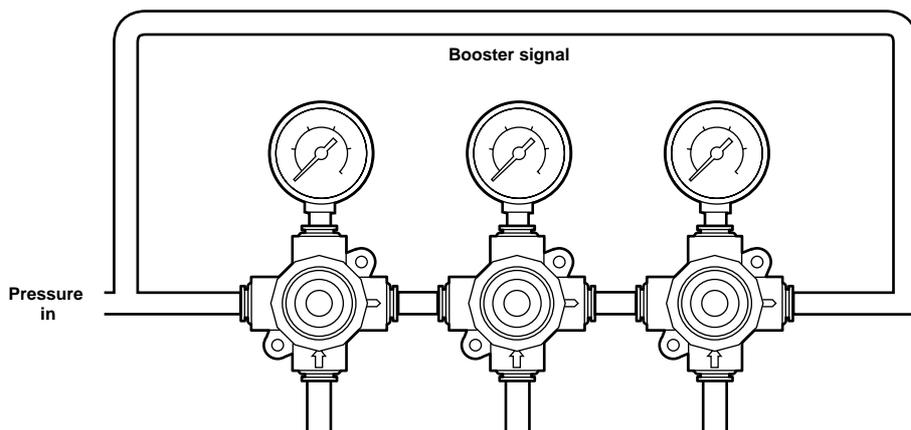
**Dimensions mm (inches)**

Panel mounting hole diameter: 30 mm (1.19")

Panel thickness: 0 to 6 mm (0 to 0.25")



**Typical Manifold Regulator Application**

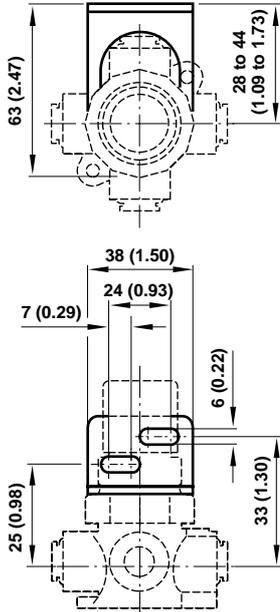




### Bracket Mounting

#### Wall Bracket

Use 3 mm (1/8") screws to mount bracket to wall.



### Bracket Kit Reference

Item	Part Number
Wall bracket	18-025-003

### Service Kits

Item	Type	Part Number
Service kit	Relieving	3470-02
	Non relieving	3470-01

Service kit includes diaphragm assembly, valve assembly, valve spring and o-rings.

### 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.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.