

**Water Regulator
G1/8 to G1/4**

- **United Kingdom Water Byelaws Scheme Approved Product, reference 9708044**
- **Suitable for use on potable and general duty water systems**
- **Exceptionally compact**
- **Panel mounting facility**

**Technical Data**

Fluid: Potable water

Maximum pressure: 28 bar (400 psig)

Operating temperature: +2° to +80°C (+35° to +175°F)

Maximum flow at 7 bar (100 psig) inlet pressure 5,5 bar (80 psig) outlet pressure and a droop of 1 bar (15 psig) from set: 3 litres/min. (0.75 US gallons/minute)

Gauge ports:

Rc1/8

Materials:

Body: Brass

Bonnet:

Brass standard

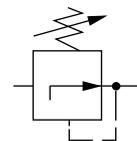
Acetal resin adjusting knob/bonnet optional

Adjusting screw: Steel

Elastomeric materials: Synthetic rubber

Ordering Information

See *Ordering Information* on the following pages.

ISO Symbol



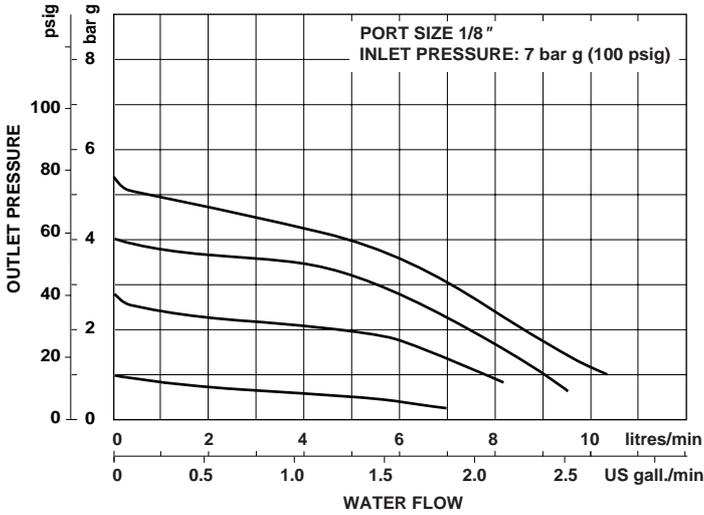
R06



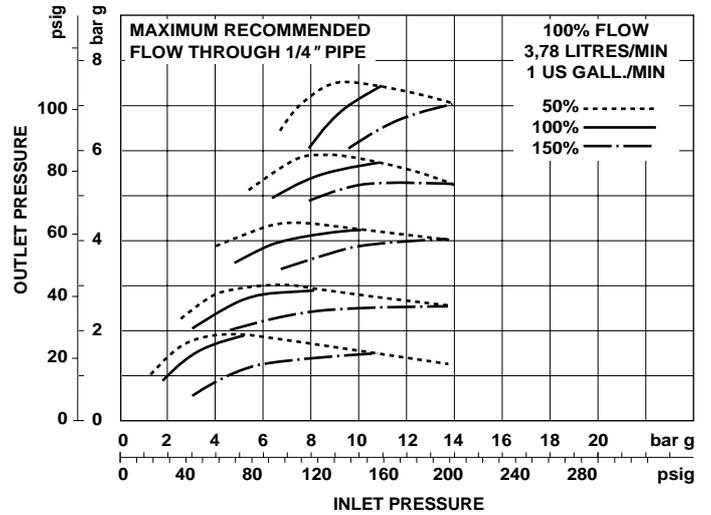
WBS Approved

Typical Performance Characteristics

FLOW CHARACTERISTICS



REGULATION CHARACTERISTICS



Ordering Information. Models listed are ISO G threads, slotted adjusting screw, brass bonnet, 0,14 to 7 bar (2 to 100 psig) outlet pressure adjustment range, without gauge and without bracket or nut.

Port Size	Model Number	Weight kg (lbs)
G1/8	R06-170-NNKD	0,48 (1.06)
G1/4	R06-270-NNKD	0,46 (1.01)

Alternative Models

R 0 6 - ★ ★ ★ - ★ ★ ★

Port Size	Substitute
1/8	1
1/4	2

Option	Substitute
Standard brass bonnet/ steel adjusting screw	70
Acetal resin adjusting knob/bonnet	69

Threads	Substitute
ISO G parallel	D

Outlet Pressure Adjustment Ranges*	Substitute
0,07 to 0,7 bar (1 to 10 psig)	A
0,07 to 3,5 bar (1 to 50 psig)	E
0,14 to 7 bar (2 to 100 psig)	K

Gauges	Substitute
Without	N

Diaphragm	Substitute
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

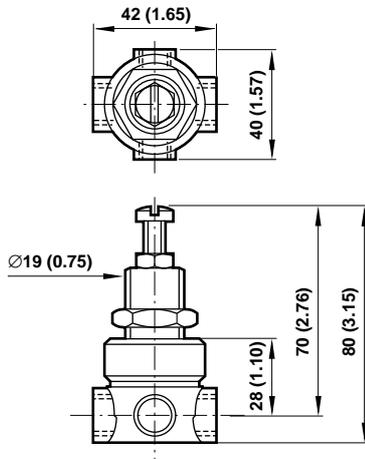
Wall Mounting Bracket with Panel Nut	Panel Nut	Adjusting Screw	∅ 40 mm Pressure Gauges R1/8 Connection
For Brass Models: 18-001-021	Single: 18-003-038	Knurled: 618-99	0 - 4 bar (60 psig): 18-013-990
For Acetal Models: 18-001-053	Twin: 18-003-996	Plain Shank: 00-66	0 - 10 bar (150 psig): 18-013-989
	For Acetal Models: 2962:89	Knurled locknut: 619-99	0 - 25 bar (360 psig): 18-013-908



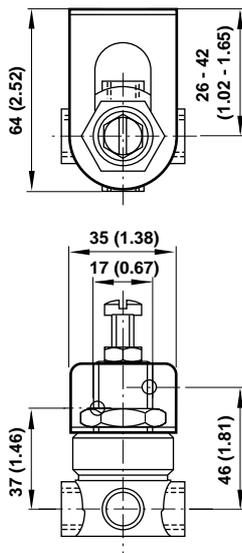
Dimensions mm (inches)

Panel mounting hole diameter: 21 mm (0.83")

Panel thickness: 0 to 18 mm (0 to 0.71")



Bracket Mounting



Bracket Kit Reference

Item	Part Number
All models	18-001-021

Includes panel mounting nut.

Service Kits

Item	Part number
Service kit	R06-RKNW

Service kits includes diaphragm assembly, valve seat, valve, valve spring, upper spring rest and slip ring.



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 NORGEN.

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.