Miniature Series 07
Pressure Relief Valve
1/8″ and 1/4″ Port Sizes

- **Compact design**
- **Low torque, non-rising adjusting knob**
- **Helps protect compressed air systems from excessive air pressure buildup by venting air when pressure exceeds setting of the relief valve**
- **Snap action knob locks pressure setting when pushed in**
- **Can be factory preset**
- **Can be disassembled without the use of tools or removal from the air line**

Technical Data

Fluid: Compressed air

Operating temperature: -20° to +65°C (0° to +150°F) *

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

Gauge ports:

- 1/8″ PTF with PTF main ports
- 1/8″ ISO Rc with ISO Rc main ports
- 1/8″ ISO Rc with ISO G main ports

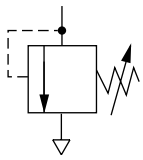
Materials:

- Body: Zinc
- Bonnet: Acetal
- Valve seat: Polyphenylene
- Elastomers: Nitrile

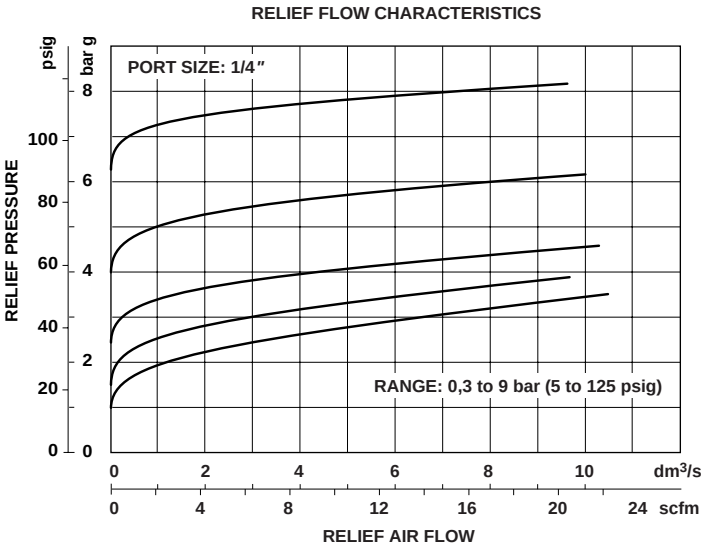
Ordering Information

See *Ordering Information* on the following pages.

ISO Symbol



Typical Performance Characteristics



Ordering information. Models listed include ISO G threads and 0,3 to 7 bar (5 to 100 psig) relief pressure adjustment range.

Port Size	Model Number	Weight kg (lbs)
G1/8	V07-100-NNLA	0,13 (0.28)
G1/4	V07-200-NNLA	0,13 (0.28)

Alternative Models

V 0 7 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1/8″	1
1/4″	2

Option	Substitute
Not applicable	0

Option	Substitute
Not applicable	0

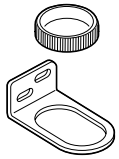
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Relief Pressure Adjustment Ranges	Substitute
0,1 to 0,7 bar (1 to 10 psig)	A
0,3 to 3,5 bar (5 to 50 psig)	E
0,3 to 7 bar (5 to 100 psig)	K
0,3 to 10 bar (5 to 150 psig)	M

Gauges	Substitute
With	G
Without	N

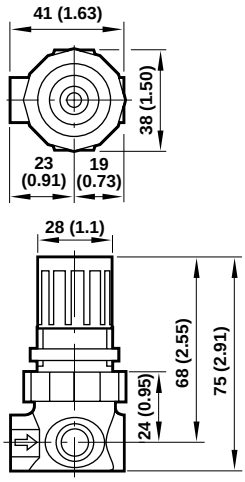
Factory Preset Relief Pressure	Substitute
Not factory preset	N
Factory set, non adjustable relief pressure. Also specify desired relief pressure on order.	P

Accessories

 Wall Mounting Bracket and Panel Nut for P1H Unit	 Panel Nut	 Tamper Resistant Field Modification	Ø 40 mm Pressure Gauge	 R1/8 Connection	1/8" PTF Connection
Plastic: 18-025-003	Plastic: 2962-89	Knob and screw: 18-001-092	2 bar (30 psig):	—	18-013-214
	Metal: 2962-04	Screw only: 6097-08	4 bar (60 psig):	18-013-990	18-013-211
			10 bar (150 psig):	18-013-989	18-013-212
			25 bar (350 psig):	18-013-908	—

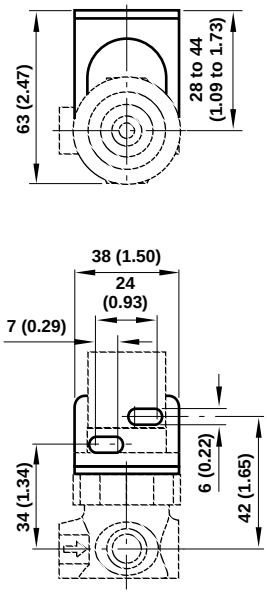
Dimensions mm (inches)

Panel mounting hole diameter 30 mm (1.19″)
Maximum panel thickness 0 to 6 mm (0 to 0.25″)



Bracket Mounting

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



Bracket Kit Reference

Item	Part Number
All models	18-025-003

Service Kits

Item	Type	Part number
Service kits	Diaphragm and valve seat seal (V06 & V07)	3407-80
	Valve seat and valve seat seal	3439-11
	Diaphragm seat and seal	3407-19

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.