V07
Miniature ported pressure relief valves

— Port size: G1/8 & G1/4
— Very compact unit
— Protect compressed air systems from over-pressurisation

Technical features

Medium:
Compressed air only

Maximum inlet pressure:
20 bar (290 psi)

Relief pressure range:
0,3 ... 7 bar (4 ... 101 psi),
0,3 ... 3,5 bar (4 ... 50 psi),
0,1 ... 0,7 bar (1 ... 10 psi),
0,3 ... 10 bar (4 ... 145 psi)

Flow:
see below

Port sizes:
G1/8 or G1/4
Rc1/8 (Gauge)

Ambient/Media temperature:
-34 ... +65°C (-29 ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Bonnet: Acetal
Body: Zinc alloy
Knop: Acetal
Valve: brass
Seals: NBR

Technical data, standard models

Symbol	Port size	Pressure range (bar)	Weight (kg)	Model
	G1/8	0,3 ... 7	0,19	V07-100-NNKG
	G1/4	0,3 ... 7	0,19	V07-200-NNKG

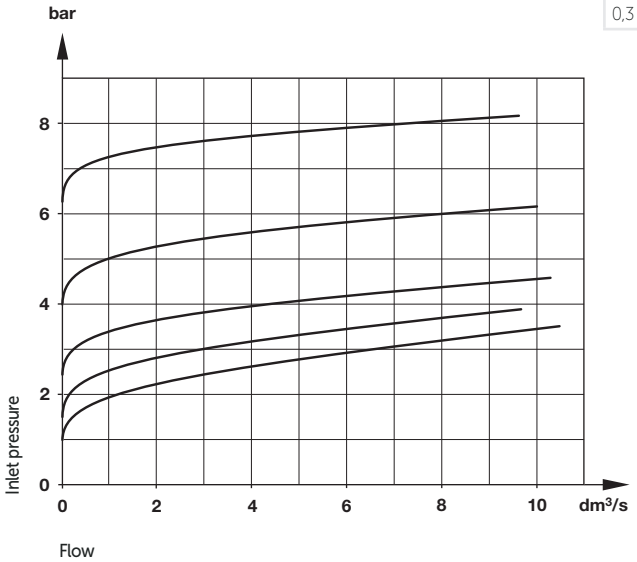
Option selector

V07-★00-N★★★

Port size	Substitute
1/8"	1
1/4"	2
Gauge	**Substitute**
With	G
Without	N

Thread	Substitute
PTF	A
ISO G	G
Relief pressure adjustment range	**Substitute**
0,1 ... 0,7	A
0,3 ... 3,5	E
0,3 ... 7	K
0,3 ... 10	M

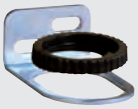
Flow characteristics
Port size 1/4",
Pressure range 0,3 ... 7 bar



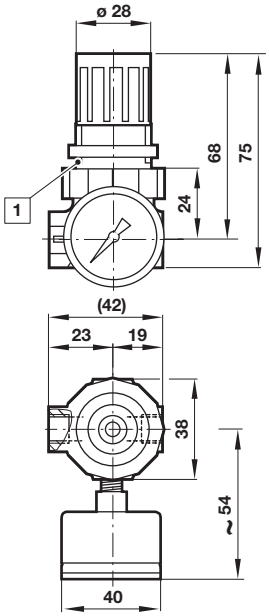
Accessories

Service kit

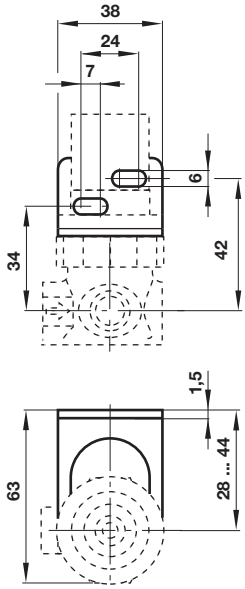
V07-KIT

Wall mounting bracket and panel nut	Panel nut	Tamper resistant field modification	Gauge ø 40 mm
			
1 & 4	4	3	6
18-025-003 (with plastic nut)	2962-04 (Metal)	18-001-092	18-015-990 (0 ... 4 bar)
18-025-004 (with metal nut)	2962-89 (Plastic)		18-015-989 (0 ... 10 bar)

Dimensions



Bracket mounting



Dimensions in mm
Projection/First angle

1 Panel mounting hole Ø 31 mm

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 features/ 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 Ltd.
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.