- **Port size: G1/8 & G1/4**
- **Very compact unit**
- **Universal useable**



Technical features

Medium:
Compressed air only
Maximum inlet pressure:
20 bar (290 psi)
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 size:
G1/8 or G1/4
Rc1/8 (Gauge)

Ambient/Media temperature:
-20° ... +65°C (-4° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Zinc alloy
Bonnet and knop: Acetal
Valve: Brass
Seals: NBR

Technical data, standard models with relieving

Symbol	Port size	Pressure range (bar)	Flow *1) (dm^3/s)	Weight (kg)	Model
	G1/8	0,3 ... 7	6,5	0,19	R07-100-RNKG
	G1/4	0,3 ... 7	7	0,19	R07-200-RNKG

*1) Flow at inlet pressure 10 bar (145 psi), outlet pressure 6,3 bar (91 psi) and pressure drop 1 bar (14 psi).

Option selector

R07-★0★-★★★★

Port size	Substitute
1/8“	1
1/4”	2
Option	**Substitute**
Standard	0
Pressure range 10 bar	5

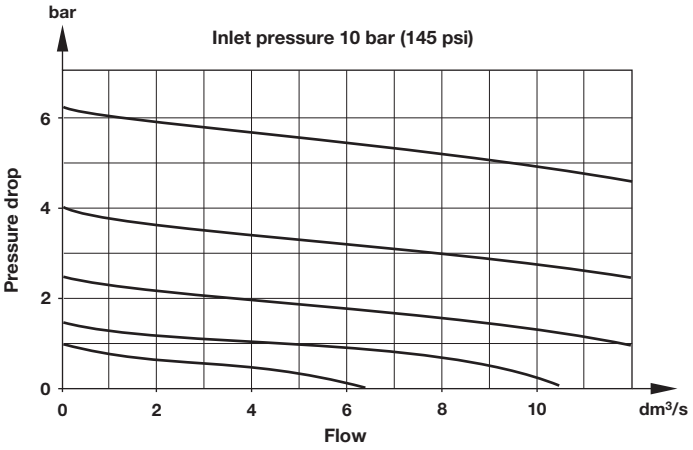
Thread	Substitute
PTF	A
ISO G	G
Pressure range (bar) *1)	**Substitute**
0,1 ... 0,7	A
0,3 ... 3,5	E
0,3 ... 7	K
0,3 ... 10	M *2)
Gauge	**Substitute**
With	G
Without	N
Diaphragm	**Substitute**
Relieving	R
Non-relieving	N

*1) 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.

*2) When specifying 10 bar (145 psi) unit, eg. R07-205-RNMG, also note correct code at 6th digit.

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1997 - 8166d) © 2015 Norgren Ltd.

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



Accessories



Service kit



R07-KITR

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) (14,5 ... 58 psi)
18-025-004 (with metal nut)	2962-89 (Plastic)		18-015-989 (0 ... 10 bar) (14,5 .... 145 psi)

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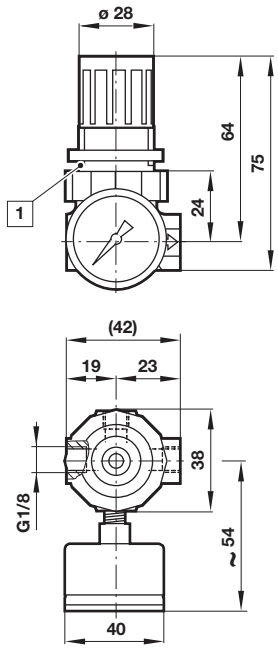
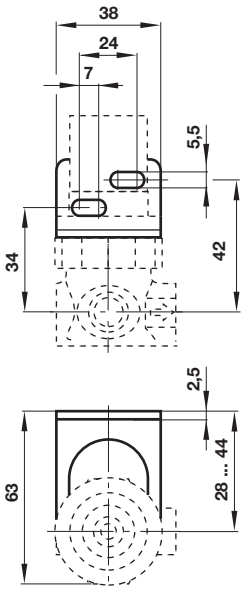
Dimensions



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
IMI Precision Engineering, 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.

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