- **Port size: G1/8 & G1/4**
- **Very compact unit**
- **Full flow gauge ports**
- **Low torque, non-rising adjusting knob**
- **Snap action knob locks pressure setting when pushed in**
- **Standard relieving models allow reduction of outlet pressure even when the system is dead-ended**
- **Wide temperature range**
- **Shock and vibration tested to EN 61373, Category 1, class A and B**

EN 61373 +65°C (+149°F) -40°C (-40°F)

Technical features

Medium:
Compressed air only
Maximum operating pressure:
20 bar (290 psi)
Pressure range:
0,3 ... 10 bar (4 ... 145 psi)
Other pressure ranges are available contact Norgren

Flow:
see below
Main port sizes:
1/8" or 1/4"
Gauge ports:
1/8" PTF with PTF main ports
1/8" ISO Rc with ISO G main ports

Ambient/Media temperature:
-40° ... +65°C (-40° ... +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)	(psi)	Flow *1) (dm^3/s)	(scfm)	Weight (kg)	(lb)	Model ISO G thread	PTF thread
	1/8"	0,3 ... 10	4 ... 145	6,5	14	0,19	0.41	LR07-100-RNMG	LR07-100-RNMA
	1/4"	0,3 ... 10	4 ... 145	7	15	0,19	0.41	LR07-200-RNMG	LR07-200-RNMA

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

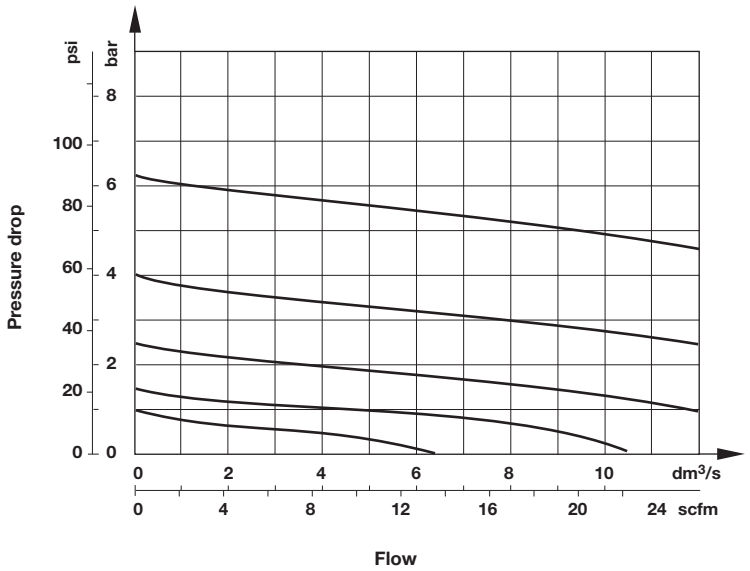
Option selector

LR07-★00-RNM★

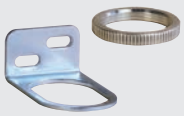
Port size	Substitute
1/8"	**1**
1/4"	**2**

Thread	Substitute
PTF	**A**
ISO G	**G**

Flow characteristics
Port size: 1/4"
Inlet pressure:
10 bar (145 psi),
Range:
0,3 ... 7 bar (5 ... 100 psi)



Accessories

Wall mounting bracket and panel nut	Panel nut
	
1 & 4	4
18-025-004 (with metal nut)	2962-04 (Metal)

Service kit

3407-A2

Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

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Pressure range bar *1	MPa	psi	Ø	Thread size	Model
0 ... 10	0 ... 1	0 ... 145	40 mm	Rc1/8	18-013-989

*1) primary scale

Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

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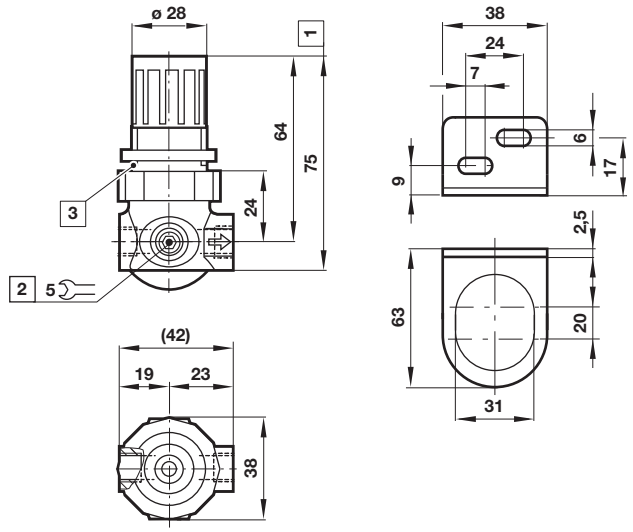
Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 160	0 ... 11	0 ... 1.1	1 1/2""	1/8 NPT	18-013-212

*1) primary scale

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 and rail transport 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 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.