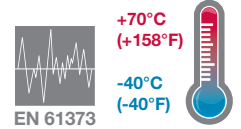


- > Port size: 1/4" (ISO G, NPT)
- > Ideally suited to Pantograph application
- > High-precision manual pressure regulator
- > Highly sensitive and accurate
- > Perfect for dead-end applications
- > Excellent long term stability
- > High forward and relief flow capability
- > Low air consumption
- > Wide temperature range
- > Shock and vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:

Oil free, dry air filtered to 25 µm
Note: for use with gases other than compressed air please consult NORGREN

Operation:

Handwheel 2,5 ... 3 turns

Inlet pressure:

At least 0,2 bar (3 psi) above max required output pressure, up to a maximum of 10 bar (145 psi)

Air and gauge ports:

G1/4 or 1/4 NPT

Flow capacity:

Up to 600 l/min

Sensitivity:

Better than 0,3 mbar per bar of supply pressure change.

Hysteresis & repeatability:

Typically < 0,05% at mid range

Ambient/Media temperature:

-40 ... +70°C (-40 ... +158°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F)

Materials:

Body: Passivated zinc
Springs: Stainless steel
Elastomers: NBR

Technical data, standard model

Symbol	Port size	Pressure range (bar)	Air consumption (l/min)	Weight (kg)	Model with ISO G-thread	Model with NPT-thread
	1/4"	0,14 ... 2,0	Typically < 2	0,72	LR27-200-RNCG	LR27-200-RNCR
	1/4"	0,14 ... 4,0	Typically < 2	0,72	LR27-200-RNFG	LR27-200-RNFR
	1/4"	0,14 ... 8,0	Typically < 2	0,72	LR27-200-RNLG	LR27-200-RNLR

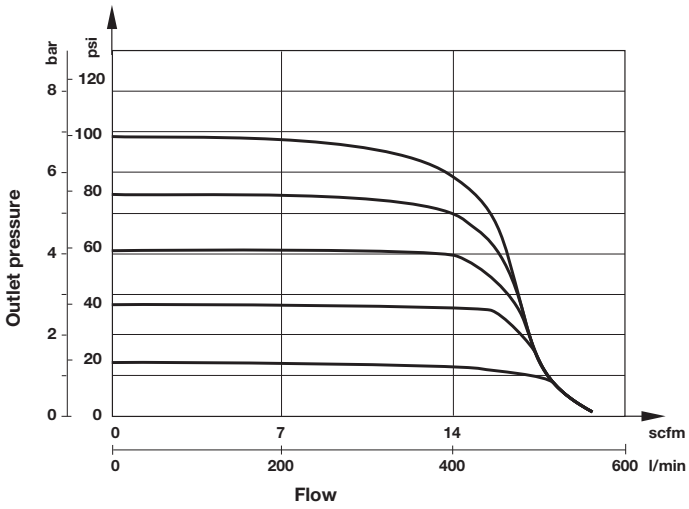
Option selector

LR27-200-RN★★

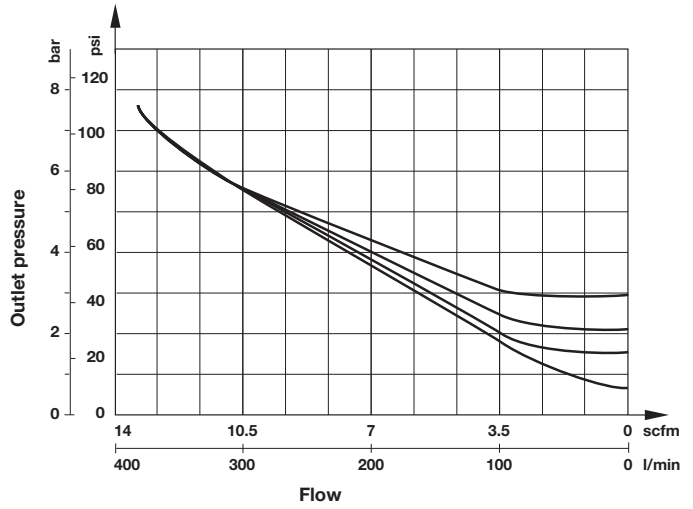
Pressure range	Substitute	Threads	Substitute
0,14 ... 2,0 bar (2 ... 29 psi)	C	NPT	R
0,14 ... 4,0 bar (2 ... 58 psi)	F	ISO G parallel	G
0,14 ... 8,0 bar (2 ... 116 psi)	L		

Flow characteristics

Forward flow (supply pressure 7 bar)

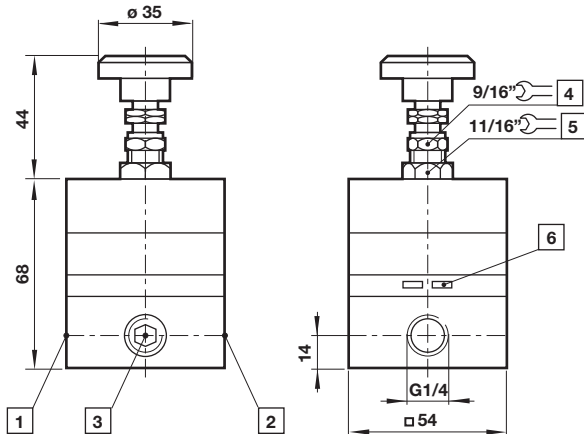


Relief flow (supply pressure 7 bar)



Dimensions

Dimensions in mm
Projection/First angle



- 1 Inlet port G1/4 or 1/4 NPT
- 2 Outlet port G1/4 or 1/4 NPT
- 3 Gauge port G1/4 or 1/4 NPT
- 4 Tension nut
- 5 Mounting nut ($\phi 11,5$ required for panel mounting)
- 6 Exhaust, do not obstruct!

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.