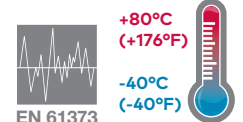


LR68G - Olympian Plus plug-in system Pressure regulator

- Port size: 3/4" ... 1 1/2" (ISO G/PTF)
- Non-rising adjusting knob has snap-action lock
- Diaphragm and balanced valve design ensure good regulation characteristics
- Wide temperature range
- Shock and vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:
Compressed air only

Maximum operating pressure:
20 bar (290 psi)

Pressure range:
(standard)
0,4 ... 8 bar (5.8 ... 116 psi)
Other pressure ranges are available contact Norgren

Port sizes:
3/4", 1", 1 1/4" or 1 1/2"

Gauge port:
1/8 PTF with PTF main ports
Rc1/8 with ISO G main ports

Flow:
See table below

Relieving:
With

Standard compliances:

II 2G Ex h IIC T6 Gb

II 2D Ex h IIC T85° Db

Ambient/Media temperature:
-40° ... +80°C (-40° ... +176°F)


Version with gauge:
-40° ... +65°C (-4° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body, yoke and bonnet:
Aluminium

Adjusting knob: Acetal resin
Elastomers: Synthetic rubber

Technical data - standard models

Symbol	Port size	Size	Flow* dm³/s	scfm	Weight (kg)	(lbs)	Model ISO G thread	PTF thread
	3/4"	—	150	318	1,95	4,29	LR68G-6GK-RLN	LR68G-6AK-RLN
	1"	Basic	180	381	1,89	4,16	LR68G-8GK-RLN	LR68G-8AK-RLN
	1 1/4"	—	180	381	1,93	4,25	LR68G-AGK-RLN	LR68G-AAK-RLN
	1 1/2"	—	180	381	1,97	4,34	LR68G-BGK-RLN	LR68G-BAK-RLN
	Without yoke	—					LR68G-NNK-RLN	LR68G-NAK-RLN

* Typical flow with 10 bar (145 psi) inlet pressure, and 6,3 bar (91 psi) set pressure and 1 bar (14.5 psi) drop from set.

Option selector

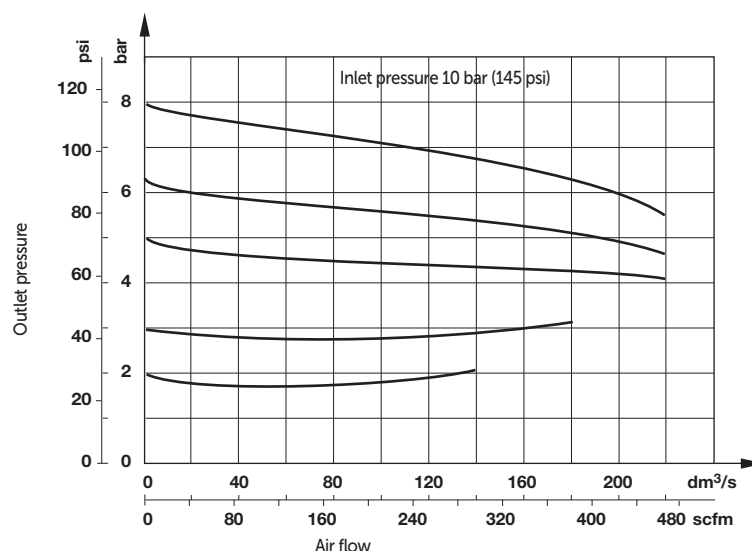
LR68G-★ ★ K-RLN

Port size	Substitute
3/4"	6
1"	8
1 1/4"	A
1 1/2"	B
Without yoke	N

Thread	Substitute
PTF or without yoke (N in 6th position), drain thread = PTF	A
ISO G parallel (standard)	G
Without yoke (N in 6th position), drain thread = ISO Rc	N

Flow characteristics

Port size 1"
Range 0,4 ... 8 bar



Accessories, service kit and gauges

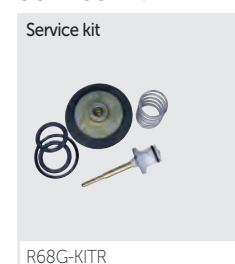


Accessories

	Single yoke	Double yoke	End connector kit	Single yoke non threads	Bracket mounting
					
Thread	5	5	2	5	1
G3/4	Y68A-6GN-N1N	Y68A-6GN-N2N	5524-55	74785-98	18-001-979
G1	Y68A-8GN-N1N	Y68A-8GN-N2N	5524-52		18-001-979
G1 1/4	Y68A-AGN-N1N	Y68A-AGN-N2N	5523-52		18-001-978
G1 1/2	Y68A-BGN-N1N	Y68A-BGN-N2N	5523-93		18-001-972
3/4 PTF	Y68A-6AN-N1N	Y68A-6AN-N2N	5524-53		18-001-979
1 PTF	Y68A-8AN-N1N	Y68A-8AN-N2N	5524-50		18-001-979
1 1/4 PTF	Y68A-AAN-N1N	Y68A-AAN-N2N	5523-50		18-001-978
1 1/2 PTF	Y68A-BAN-N1N	Y68A-BAN-N2N	5523-95		18-001-972



Service kit



Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)					
6					
Pressure range					
bar	*1	MPa	psi		
Ø	Thread size		Model		
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-015-013

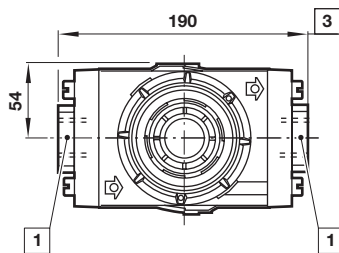
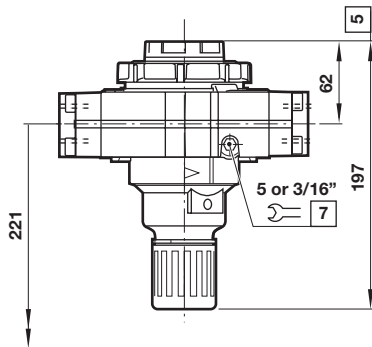
*1) primary scale

Center back connection, black face for North America (full technical specification see datasheet 8.900.900)					
6					
Pressure range					
psig	*1	bar	MPa		
Ø	Thread size		Model		
0 ... 160	0 ... 11	0 ... 1.1	1.5" (40 mm)	1/8 NPT	18-015-212

*1) primary scale

Dimensions

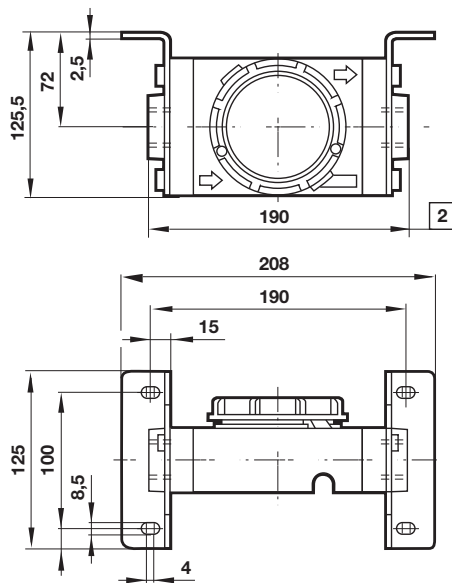
Dimensions in mm
Projection/First angle



Minimum clearance required to remove unit from yoke

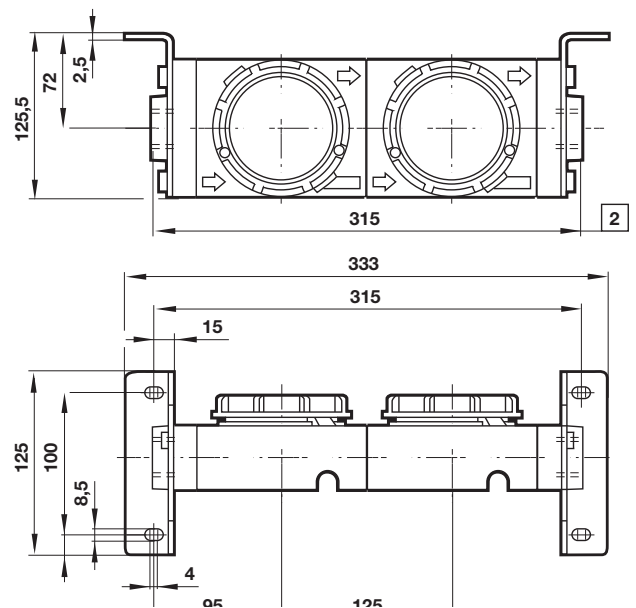
- 1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
- 3 Plus 10 mm for ports 1 1/4" or 1 1/2"
- 5 Reduces by 4 mm with knob in locked position
- 7 Gauge port 1/8"

Single yoke with bracket



1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

Double yoke with bracket



1 For 1 1/4" and 1 1/2" ported yokes add 10 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.

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.