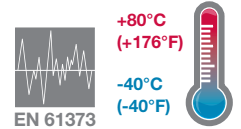


- > **Port size: 3/4" ... 1 1/2"** (ISO G/PTF)
- > **High efficiency water removal**
- > **Diaphragm and balanced valve design ensure good regulation characteristics**
- > **Non-rising adjusting knob has snap-action lock**
- > **Standard options include non-relieving models, manual drain and alternative pressure ranges**
- > **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:

17 bar (246 psi)

Pressure range:

0,4 ... 8 bar (5 ... 116 psi)

Other pressure ranges are available contact Norgren

Flow:

See table below

Filter element:

5 or 40 µm

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

Drain:

 Manual (standard)
 Optional: automatic

Relieving:

With

Bowl size:

1 litre (34 fluid oz optional)

Ambient/Media temperature:

-40° ... +80°C (-40° ... +176°F)

Version with gauge:

-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, bowl and yoke: Aluminium

Liquid level indicator: Pyrex

Element: Sintered bronze

Adjusting knob: Acetal resin

Elastomers: Synthetic rubber

Technical data - standard models

Symbol	Port size	Size	Flow* dm ³ /s	scfm	Filter element (µm)	Weight (kg)	(lbs)	Model ISO G thread	PTF thread
	3/4"	—	240	509	40	3,29	7.25	LB68G-6GK-MU3-RLN	LB68G-6AK-MU3-RLN
	1"	Basic	240	509	40	3,29	7.25	LB68G-8GK-MU3-RLN	LB68G-8AK-MU3-RLN
	1 1/4"	—	240	509	40	3,35	7.38	LB68G-AGK-MU3-RLN	LB68G-AAK-MU3-RLN
	1 1/2"	—	240	509	40	3,35	7.38	LB68G-BGK-MU3-RLN	LB68G-BAK-MU3-RLN
	Without yoke	—	—	—	40	—	—	LB68G-NNK-MU3-RLN	LB68G-NAK-MU3-RLN
	3/4"	—	240	509	5	3,29	7.25	LB68G-6GK-MU1-RLN	LB68G-6AK-MU1-RLN
	1"	Basic	240	509	5	3,29	7.25	LB68G-8GK-MU1-RLN	LB68G-8AK-MU1-RLN
	1 1/4"	—	240	509	5	3,35	7.38	LB68G-AGK-MU1-RLN	LB68G-AAK-MU1-RLN
	1 1/2"	—	240	509	5	3,35	7.38	LB68G-BGK-MU1-RLN	LB68G-BAK-MU1-RLN
	Without yoke	—	—	—	5	—	—	LB68G-NNK-MU1-RLN	LB68G-NAK-MU1-RLN

* Typical flow at 10 bar (145 psi) inlet pressure 6,3 bar (90 psi) set, 40 µm element and 1 bar (15 psi) pressure drop.

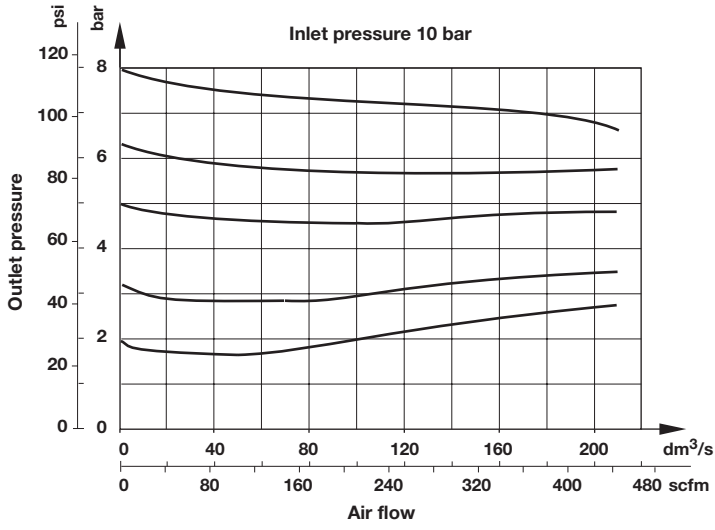
Option selector

Port size	Substitute	Filter element	Substitute
3/4"	6	5 µm	1
1"	8	40 µm	3
1 1/4"	A	Bowl	Substitute
1 1/2"	B	With liquid level indicator (standard)	U
Without yoke	N	No liquid level indicator	C
Threads form	Substitute	Drain	Substitute
PTF or without yoke (N in 6th position), drain and gauge threads = PTF	A	Automatic	A*1)
ISO G parallel (standard)	G	Manual, spindle type (standard)	M
Without yoke (N in 6th position), drain and gauge threads = ISO Rc	N		

*1) For temperature range -25 ... 80°C only, shock and vibration, contact Norgren

Flow characteristics

Port size 1", 40 µm element,
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

Nut	Tamper resistant cap & seal wire
4	3
5520-89	4355-51

Service kit

Service kit, manual drain	Service kit, automatic drain
LB68G-KITM05R (5 µm)	LB68G-KITA05R (5 µm)
LB68G-KITM40R (40 µm)	LB68G-KITA40R (40 µm)

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	18-013-013

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

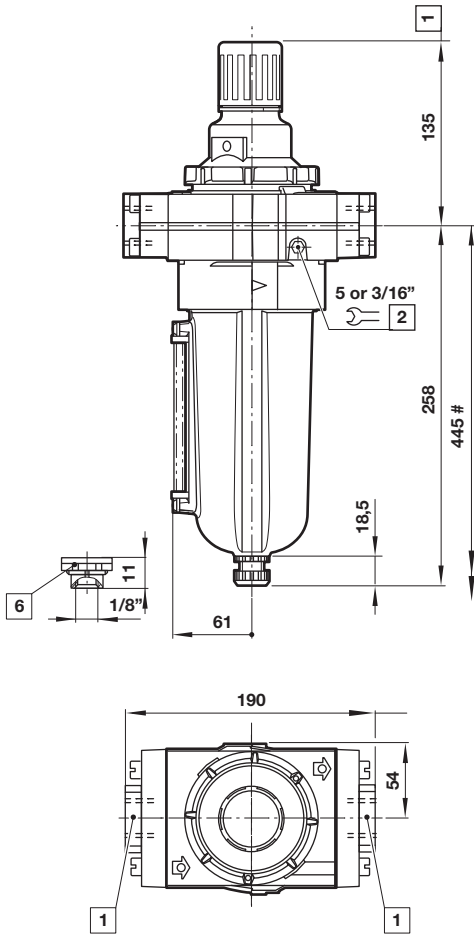
6

Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 160	0 ... 11	0 ... 1.1	1.5" (40 mm)	1/8 NPT	18-013-212

*1) primary scale

*1) primary scale

Dimensions

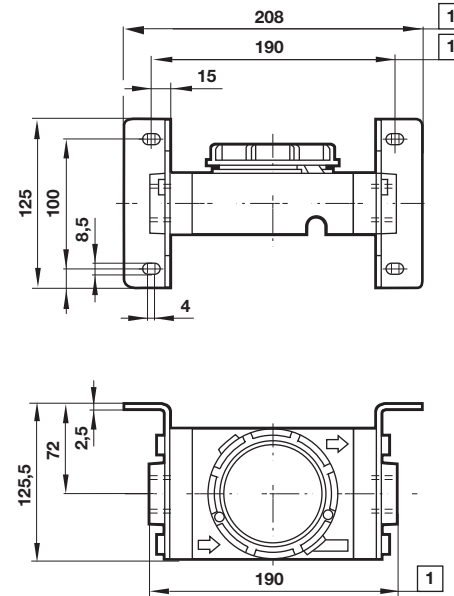


Minimum clearance required to remove bowl

- 1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
- 2 Gauge port 1/8"
- 3 Plus 10 mm for ports 1 1/4" or 1 1/2"
- 6 Automatic drain (optional)

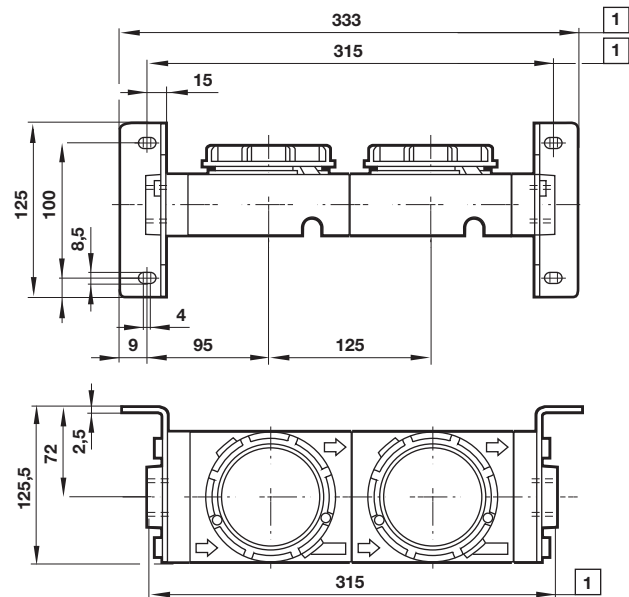
Single yoke with bracket

Dimensions in mm
Projection/First angle



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 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 NORGRN.

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.