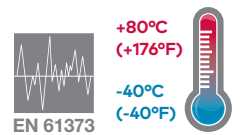


LF68G/E - Olympian Plus plug-in system General purpose filter

- Port size: 3/4 ... 1 1/2" (ISO G/ PTF)
- Olympian Plus plug in system
- Effective liquid removal and positive solid particle filtration
- Large filter element area provides minimum pressure drop
- Optional male threaded drain adaptor available for connection to pilot or solenoid operated drain valve
- 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)

Filter element:

40 µm (standard), 5 µm optional

Port sizes:

3/4", 1", 1 1/4" or 1 1/2"

Filtration level:

5 µm: ISO 8573-1:2010 (6.-.-.-)

Flow:

See table below

Drain:

Manual (standard)

Optional: automatic or open ended (with male thread adaptor)

Bowl size:

0,5 litre (17 fluid oz)

1 litre (34 fluid oz)

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)

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

Materials:

Body, yoke and bowl: Aluminium

Liquid level indicator: Pyrex

Element: Sintered bronze

Elastomers: Synthetic rubber

Technical data - standard models

Symbol	Port size	Size	Flow *1)		Filter element (µm)	Weight		Model	
			(dm ³ /s)	(scfm)		(kg)	(lbs)	ISO G thread	PTF thread
	3/4"	—	215	456	40	2,45	5,40	LF68E-6GN-MU3	LF68E-6AN-MU3
	1"	Basic	215	456	40	2,33	5,13	LF68E-8GN-MU3	LF68E-8AN-MU3
	1 1/4"	—	215	456	40	2,43	5,35	LF68E-AGN-MU3	LF68E-AAN-MU3
	1 1/2"	—	215	456	40	2,30	5,07	LF68E-BGN-MU3	LF68E-BAN-MU3
	Without yoke	—			40			LF68E-NNN-MU3	LF68E-NNN-MU3
	3/4"	—	190	403	5	2,45	5,40	LF68E-6GN-MU1	LF68E-6AN-MU1
	1"	Basic	190	403	5	2,33	5,13	LF68E-8GN-MU1	LF68E-8AN-MU1
	1 1/4"	—	190	403	5	2,43	5,35	LF68E-AGN-MU1	LF68E-AAN-MU1
	1 1/2"	—	190	403	5	2,30	5,07	LF68E-BGN-MU1	LF68E-BAN-MU1
	Without yoke	—			5			LF68E-NNN-MU1	LF68E-NNN-MU1

1*) Typical flow at 6,3 bar (90 psi) inlet pressure and 0,5 bar (7 psi) pressure drop.

Option selector

LF68★-★★N-★★★

Version	Substitute
Long filtration element	E *2)
Short filtration element	G
Port size	Substitute
3/4"	6
1"	8
1 1/4"	A
1 1/2"	B
Without yoke	N
Thread	Substitute
NPT 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

Element	Substitute
5 µm	1
25 µm	2
40 µm	3
Bowl	Substitute
0,5 l with liquid level indicator	R
1 l with liquid level indicator	U
0,5 l no liquid level indicator	M
1 l no liquid level indicator	C
Drain	Substitute
Automatic	A *3)
Manual, spindle type (standard)	M
Open ended (with male thread adaptor)	N

Automatic drain conditions:
 Pressure to close drain: > 0,3 bar (4,3 psi)
 Pressure to open drain: < 0,2 bar (2,9 psi)
 Minimum air flow to close drain:
 0,6 dm³/s (1,3 scfm)

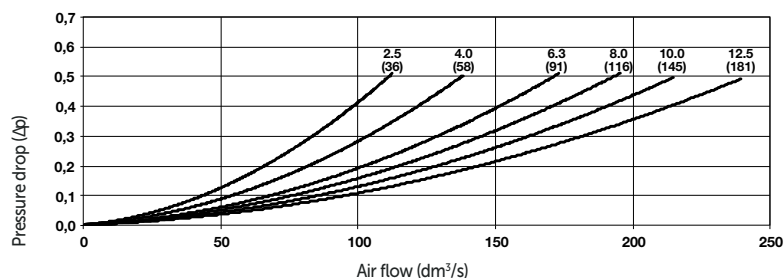
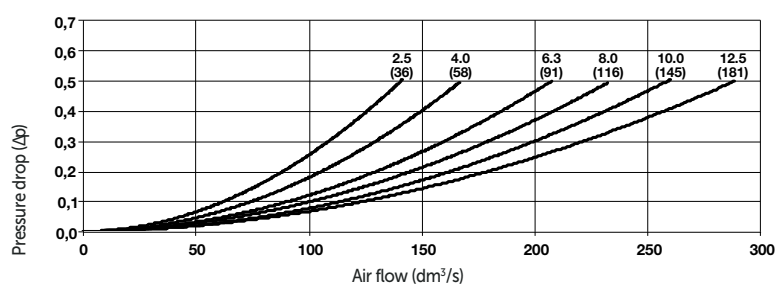
*2) Long Filtration Element are available with 1 litre bowl only, therefore substitute E at the 5th digit and U or C at the 10th position.

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

Flow characteristics

Port size: 1", 40 µm and 5 µm

Inlet pressure: 6,3 bar (91 psi)



Accessories, service kit



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

Accessories

Nut	Drain valves Pneumatically operated *4)	Electrically operated *5)
		
4		
5520-89	8591127.0000.00000	VRW8102031/12N (12 V d.c.)
		VRW8102031/24N (24 V d.c.)
		VRW8102031/37N (37,5 V d.c.)
		VRW8102031/52N (52 V d.c.)
		VRW8102031/72N (72 V d.c.)
		VRW8102031/96N (96 V d.c.)
		VRW8102031/11N (110 V d.c.)

*4) For more details please see full datasheet.

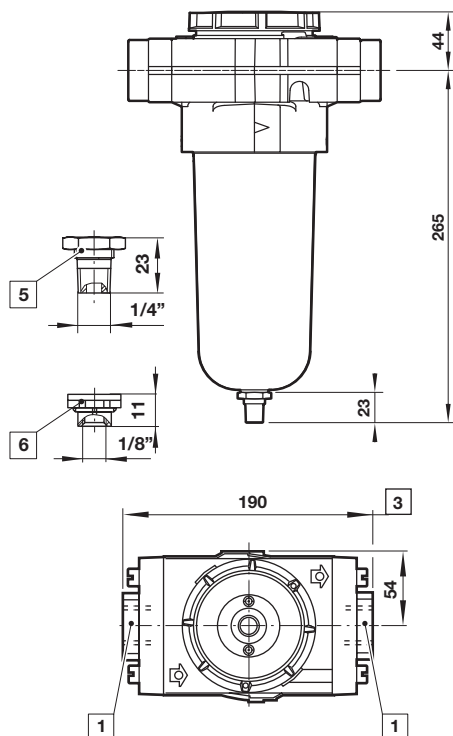
*5) For more details please see full datasheet.

Service kit

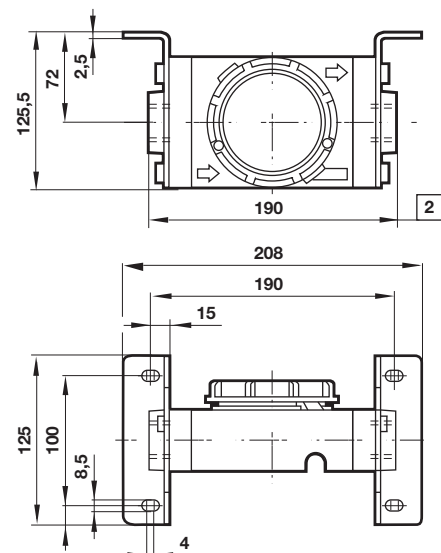
	Service kit manual drain	Service kit, open ended adaptor	Service kit automatic drain
			
(µm)			
5	LF68E-KITM05/LF68G-KITM05	LF68E-KITN05/LF68G-KITN05	LF68E-KITA05/LF68G-KITA05
25	LF68E-KITM25/LF68G-KITM25	LF68E-KITN25/LF68G-KITN25	LF68E-KITA25/LF68G-KITA25
40	LF68E-KITM40/LF68G-KITM40	LF68E-KITN40/LF68G-KITN40	LF68E-KITA50/LF68G-KITA050

Dimensions

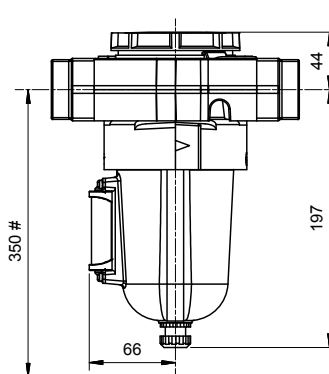
Dimensions in mm
Projection/First angle



Single yoke with bracket



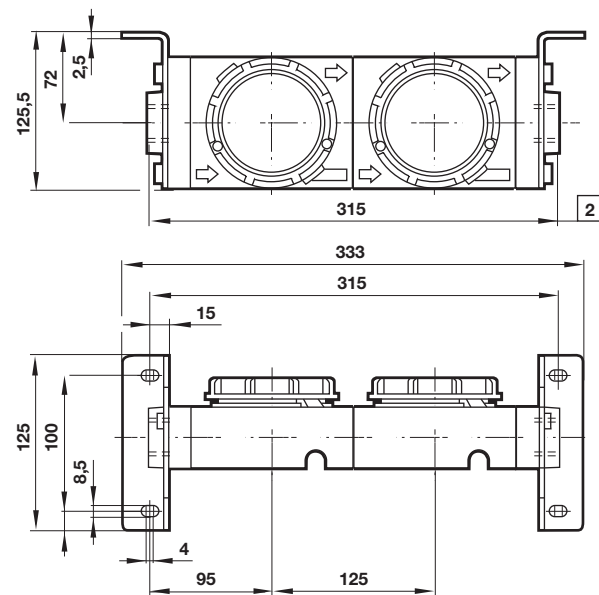
[2] For 1 1/4" and 1 1/2" ported yokes add 10 mm



Minimum clearance required to remove bowl

- [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] Open ended adaptor
- [6] Automatic drain (optional)

Double yoke with bracket



[2] 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.