

F68E - 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



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"

Flow:

See table below

Drain:

Manual or automatic

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)

Service life indicator:

Available on request

Bowl size:

1 litre (34 fluid oz optional)

Ambient/Media temperature:

-20° ... +80°C (-4° ... +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 plastic

Elastomers: NBR

Technical data - standard models

Symbol	Port size	Size	Drain	Filter element (µm)	Flow *1) (dm³/s)	Weight (kg)	Model	
	3/4"	—	Automatic	40	160	2,45	F68E-6GN-AU3	F68E-6AN-AU3
	1"	Basic	Automatic	40	190	2,33	F68E-8GN-AU3	F68E-8AN-AU3
	1 1/4"	—	Automatic	40	200	2,43	F68E-AGN-AU3	F68E-AAN-AU3
	1 1/2"	—	Automatic	40	200	2,30	F68E-BGN-AU3	F68E-BAN-AU3
	Without yoke	—	Automatic	40			F68E-NNN-AU3	F68E-NNN-AU3
	3/4"	—	Automatic	5	160	2,45	F68E-6GN-AU1	F68E-6AN-AU1
	1"	Basic	Automatic	5	190	2,33	F68E-8GN-AU1	F68E-8AN-AU1
	1 1/4"	—	Automatic	5	200	2,43	F68E-AGN-AU1	F68E-AAN-AU1
	1 1/2"	—	Automatic	5	200	2,30	F68E-BGN-AU1	F68E-BAN-AU1
	Without yoke	—	Automatic	5			F68E-NNN-AU1	F68E-NNN-AU1

* Typical flow with inlet pressure 6,3 bar (91 psi) set pressure and 0,5 bar (7 psi) drop from set.

Option selector

Version	Substitute
Long bowl (1 litre)	E
Standard bowl (0,5 litre)	G
Port size	Substitute
3/4"	6
1"	8
1 1/4"	A
1 1/2"	B
Without yoke	N
Thread	Substitute
NPT	A
ISO G parallel (standard)	G
Without yoke (standard)	N
Service life indicator	Substitute
Without (standard)	N
Mechanical	D
Electrical	E

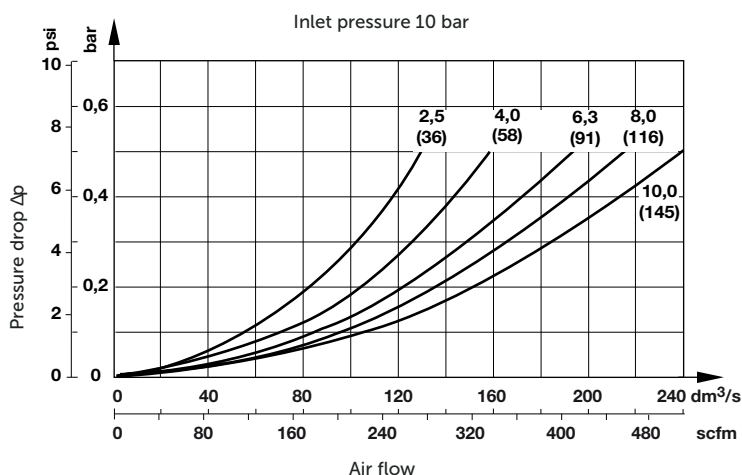
F68★-★★★-★★★

Element	Substitute
5 µm	1
40 µm (standard)	3
Bowl	Substitute
0.5 l with liquid level indicator	R
1 l with liquid level indicator (standard)	U *1)
0.5 l no liquid level indicator	M
1 l no liquid level indicator	C *1)
Drain	Substitute
Automatic (standard)	A
Closed bowl	E
Manual-plastic handle	M
Manual-quarter turn	Q
Manual-metal handle	D

*1) Units with 1 litre bowl are available only with 'E' version only; therefore substitute E at the 4th digit and U or C at the 9th position.

Flow characteristics

Port size 1", 40 µm element,
Inlet pressure: 6,3 bar (91 psi)



Accessories, service kit and gauges



Accessories

	Single yoke	Double yoke	End connector kit	Single yoke non threads	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	Bracket mounting
							
Thread	5	5	2	5	8	8	1
G3/4	Y68A-6GN-N1N	Y68A-6GN-N2N	5524-55	74785-98	T68H-6GB-B2N	T68H-6GC-B2N	18-001-979
G1	Y68A-8GN-N1N	Y68A-8GN-N2N	5524-52		T68H-8GB-B2N	T68H-8GC-B2N	18-001-979
G1 1/4	Y68A-AGN-N1N	Y68A-AGN-N2N	5523-52		T68H-AGB-B2N	T68H-AGC-B2N	18-001-978
G1 1/2	Y68A-BGN-N1N	Y68A-BGN-N2N	5523-93		T68H-BGB-B2N	T68H-BGC-B2N	18-001-972
3/4 PTF	Y68A-6AN-N1N	Y68A-6AN-N2N	5524-53		T68H-6AB-B2N	T68H-6AC-B2N	18-001-979
1 PTF	Y68A-8AN-N1N	Y68A-8AN-N2N	5524-50		T68H-8AB-B2N	T68H-8AC-B2N	18-001-979
1 1/4 PTF	Y68A-AAN-N1N	Y68A-AAN-N2N	5523-50		T68H-AAB-B2N	T68H-AAC-B2N	18-001-978
1 1/2 PTF	Y68A-BAN-N1N	Y68A-BAN-N2N	5523-95		T68H-BAB-B2N	T68H-BAC-B2N	18-001-972

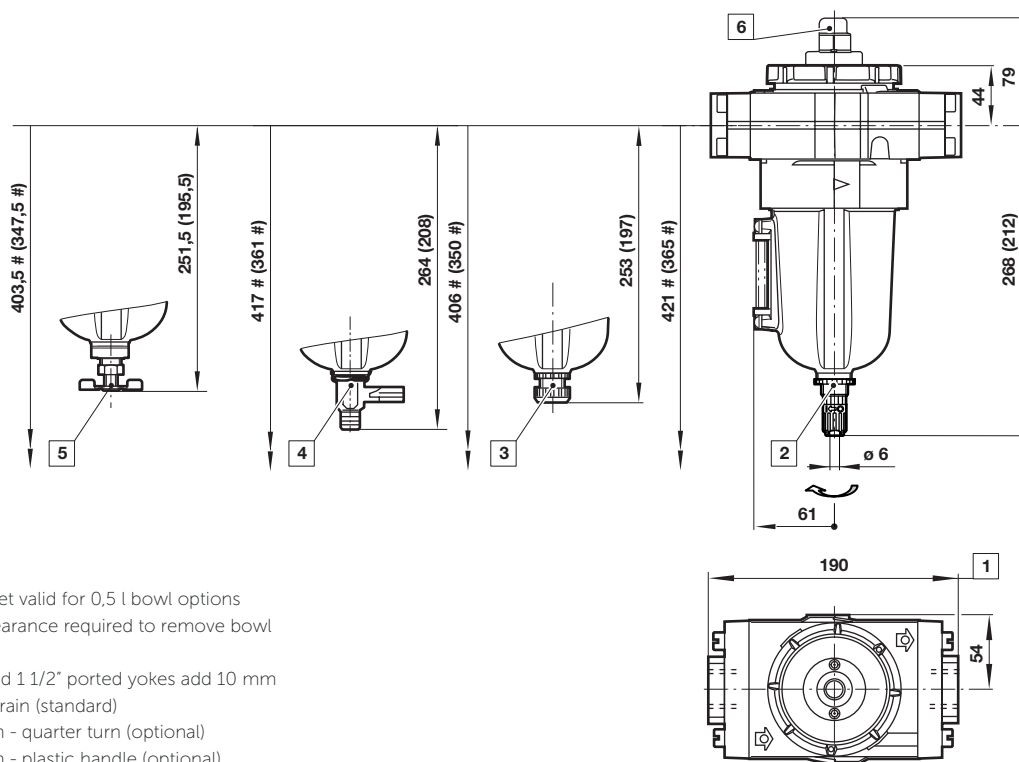
Nut	Porting block
	
4	
5520-89	18-026-986 (G1/4 & G1/2)
	18-026-983 (1/4 & 1/2 NPT)

Service kit

Service kit manual drain	Service kit automatic drain
	
F68G-KITM05 (5 µm)	F68G-KITA05 (5 µm)
F68G-KITM40 (40 µm)	F68G-KITA40 (40 µm)

Dimensions

Dimensions in mm
Projection/First angle

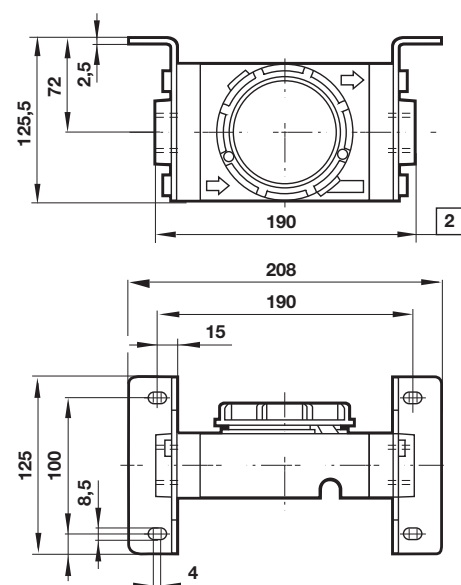


Values in bracket valid for 0,5 l bowl options

Minimum clearance required to remove bowl

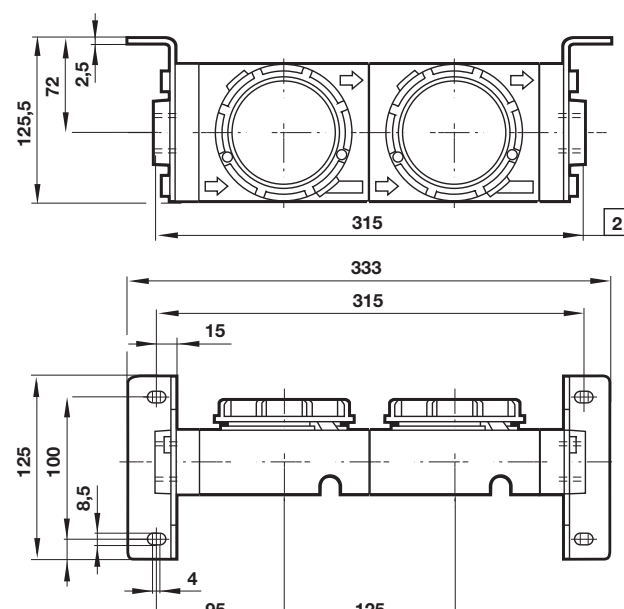
- 1 For 1 1/4" and 1 1/2" ported yokes add 10 mm
- 2 Automatic drain (standard)
- 3 Manual drain - quarter turn (optional)
- 4 Manual drain - plastic handle (optional)
- 5 Manual drain - metal handle (optional)
- 6 Service life indicator (optional)

Single yoke with bracket



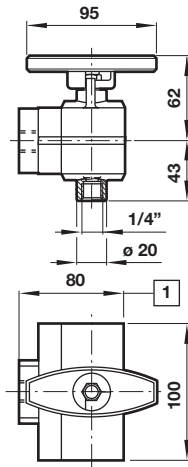
- 1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

Double yoke with bracket



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

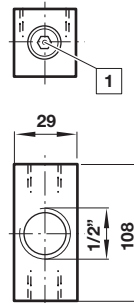
3/2 Shut-off valve



1 For 1 1/2" ported yokes add 5 mm

Porting block

Dimensions in mm
Projection/First angle



1 Two additional plugged G1/4 ports

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.