F68G, F68E

Olympian Plus
General purpose filter
G¾ ... G1½

Effective liquid removal and positive solid particle filtration

Large filter element area provides minimum pressure drop

Optional visual service indicator turns from green to red when the filter element needs to be replaced

Optional electrical service life indicator provides electrical output when the filter element needs to be replaced - see page N 8.900.920

Technical data

Fluid:
Compressed air

Maximum pressure:
17 bar

Operating temperature:
-20° ... +80°C

Consult our Technical Service for use below +2°C

Particle removal:
5, 25, 40 µm

Air quality:
Within ISO 8573-1, Class 3 and Class 5 (particulates)

Typical flow with a 40 µm element at 6,3 bar inlet pressure and a pressure drop of 0,5 bar:
190 dm^3/s

1/4 turn manual drain connection:
1/8" pipe thread

Automatic drain connection:
1/8" pipe thread

Automatic drain operating conditions (float operated):
Bowl pressure required to close drain: Greater than 0,3 bar
Bowl pressure required to open drain: Less than 0,2 bar
Minimum air flow required to close drain: 1 dm^3/s
Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size:
0,5 litre
1 litre

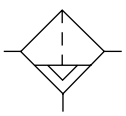
Materials

Body: aluminium
Yoke: aluminium
Bowl: aluminium
Liquid level indicator: Pyrex
Element: sintered bronze or polypropylene
Elastomers: synthetic rubber

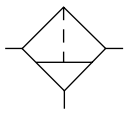
Ordering information

See *Ordering Information* on the following pages.

ISO Symbols



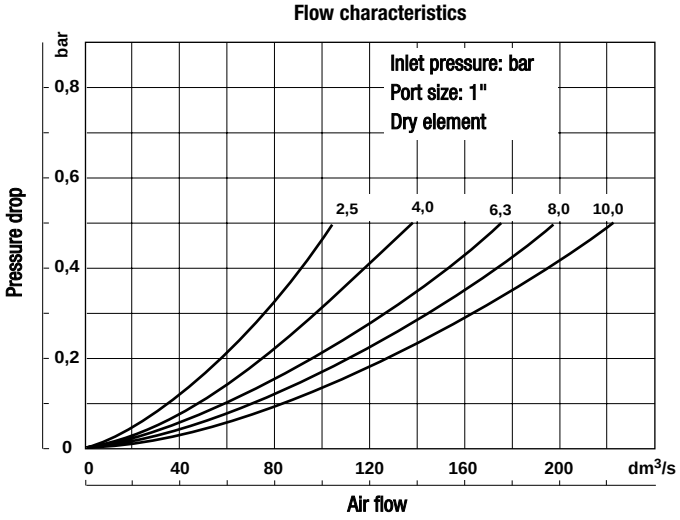
Automatic drain



Manual drain

For your local Norgren Technical Sales Centre phone 0345 662266. For your local Norgren Distributor phone 0345 227777.
IMI Norgren Limited, PO Box 22, Eastern Avenue, Lichfield, Staffordshire WS13 6SB

Typical performance characteristics



Ordering Information

Models listed include a 0,5 litre bowl and short element, yoke with ISO G threads, automatic drain, and a 40 µm element.

Port size	Flow dm^3/s*	Model	kg
G3/4	160	F68G-6GN-AR3	2,45
G1	190	F68G-8GN-AR3	2,33
G1¼	200	F68G-AGN-AR3	2,43
G1½	200	F68G-BGN-AR3	2,30

* Typical flow with a 40 µm element at 6,3 bar inlet pressure and 0,5 bar pressure drop.

Alternative models

F 6 8 ★ - ★ ★ ★ - ★ ★ ★

Bowl/Element type	Substitute
0,5 litre bowl and short element	G
1 litre bowl and long element	E

Port size	Substitute
3/4"	6
1″	8
1¼″	A
1½″	B
None	N

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G
None	N

Service life indicator	Substitute
Mechanical	D
Electrical	E
Without	N

Element	Substitute
5 µm	1
25 µm	2
50 µm	3

Bowl	Substitute
1 l without liquid level indicator	C#
0,5 l without liquid level indicator	M**
0,5 l with liquid level indicator	R**
1 l with liquid level indicator	U#

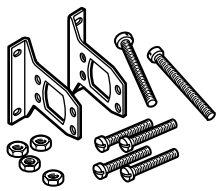
Drain	Substitute
Auto drain	A
Closed bowl *	E
Manual	M
Manual, 1/4 turn	Q

* For vacuum use.

** Only available with F68G.
# Only available with F68E.

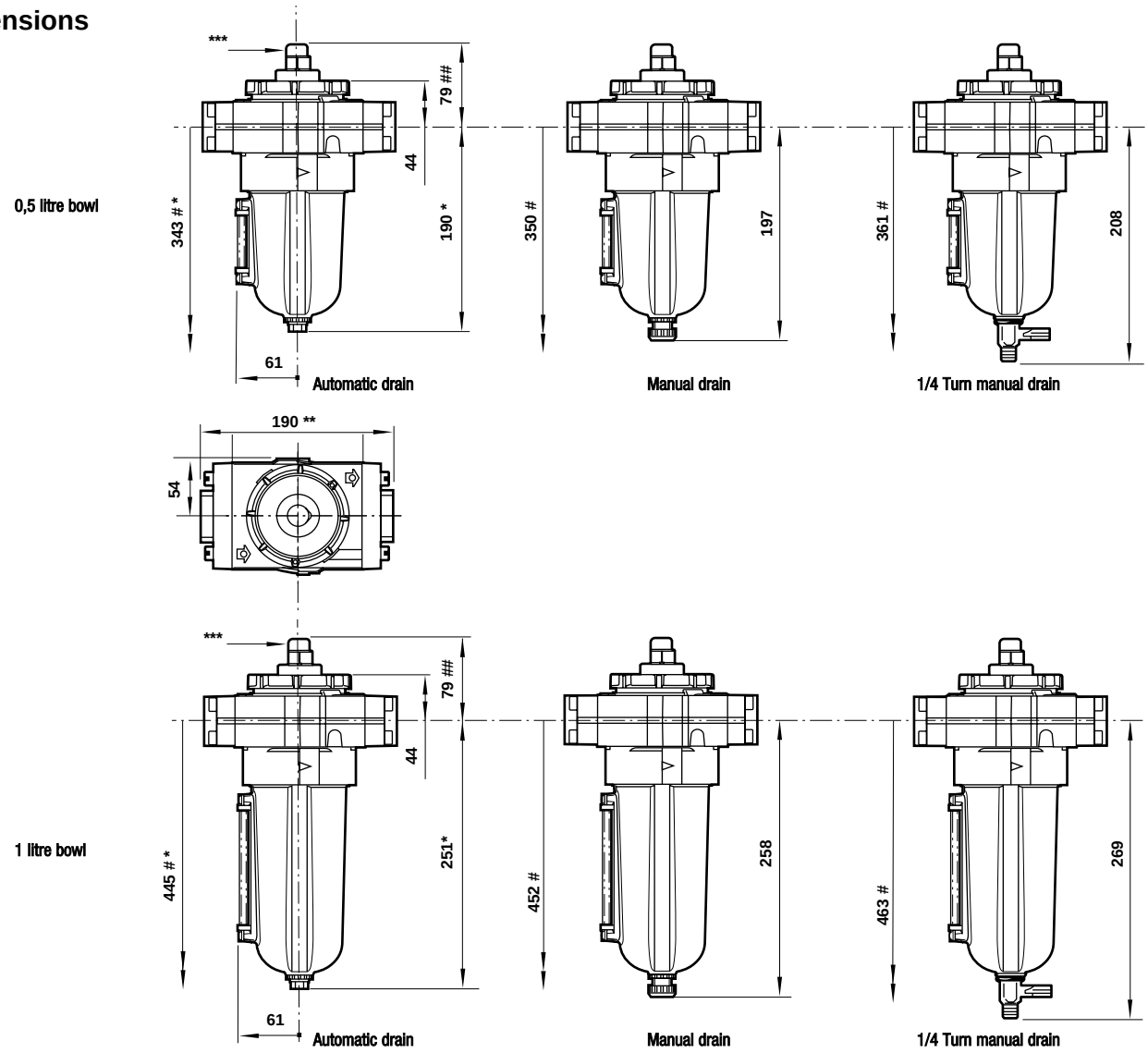
Accessories

Wall mounting bracket



3/4" ported yoke:	18-001-979
1" ported yoke:	18-001-979
1¼" ported yoke:	18-001-978
1½" ported yoke:	N/A

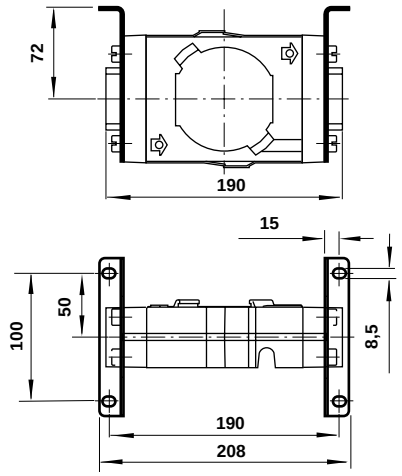
Dimensions



* Dimension also applies to closed bottom bowl.
** For 1¼" and 1½" ported yokes, add 10 mm
*** Optional visual service indicator
# Minimum clearance required to remove bowl
For optional electrical service life indicator, add 5 mm

Bracket mounting

Use 4 mm screws to mount bracket to wall.



Bracket kit reference

Item		
	3/4" ported yoke	18-001-979
Wall bracket	1" ported yoke	18-001-979
	1¼" ported yoke	18-001-978
	1½" ported yoke	N/A

Service kits

Item	Type	Model
Service kit	Relieving	4383-300
Replacement elements	5 µm (0,5 litre bowl)	5576-97
	25 µm (0,5 litre bowl)	5576-98
	40 µm (0,5 litre bowl)	5576-99
	5 µm (1 litre bowl)	5311-01
	25 µm (1 litre bowl)	5311-02
	40 µm (1 litre bowl)	5311-03
Replacement sight glass kit	0,5 litre	4380-060
	1 litre	4380-061
Replacement drains	Automatic (G 1/8 outlet)	3000-97
	Automatic (1/8 NPT outlet)	3000-10
	Manual	684-84
	Manual, 1/4 turn	619-50
Service life indicator	Visual	5797-50
	Electrical	4020-51R

Service kit includes louvre/element seals, drain seal, bowl seal

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 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.