

**Olympian Plus
Oil removal (coalescing) filter
G½ ... G1**

Coalescing element provides high efficiency oil and particle removal

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

Oil and dirt contamination in outlet air within ISO 8573-1: Quality Class 1.7.2

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

Install an F68G pre-filter with a 5 µm filter element upstream of the F68C/H filter for optimum coalescing element life.



Technical data

Fluid: Compressed air

Maximum pressure: 17 bar

Operating temperature:
-20° ... +65°C

Consult our Technical Service for use below +2°C

Particle removal: 0,01 µm

Air quality:

Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content).

Maximum remaining oil content in outlet air:
0,01 mg/m³ at +20°C with an inlet concentration of 17 mg/m³.

Maximum flow at 6,3 bar inlet pressure to maintain stated oil removal performance:

1/2" ports: 35 dm³/s

3/4" ports: 35 dm³/s

1" ports: 60 dm³/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 dm³/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: synthetic fibre and polyurethane foam

Elastomers: synthetic rubber

Service life indicator:

Body: transparent nylon

Internal parts: acetal

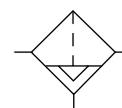
Spring: stainless steel

Elastomers: nitrile

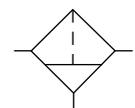
Ordering information

See *Ordering Information* on the following pages.

ISO Symbols



Automatic drain



Manual drain

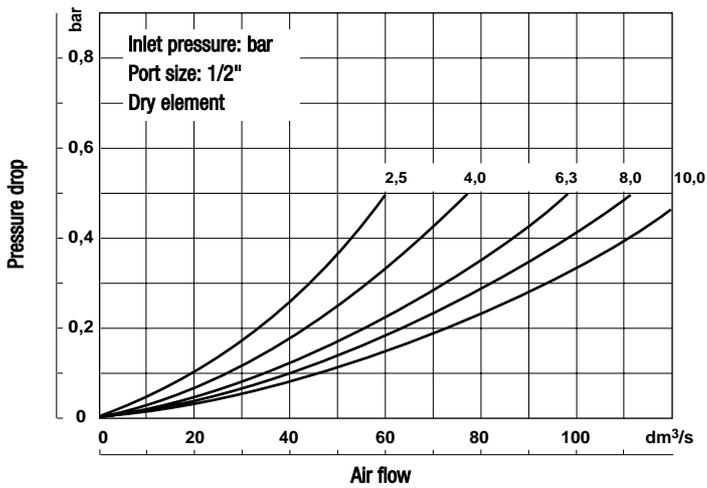


Typical performance characteristics

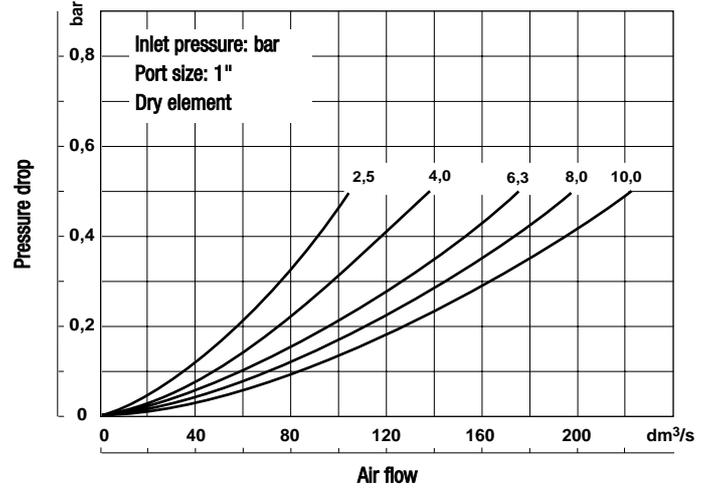
Inlet pressure bar	Maximum flow (dm ³ /s)*		
	F68C 1/2" Ports	F68H 3/4" Ports	F68H 1" Ports
1	14	14	24
3	24	24	41
5	31	31	53
6,3	35	35	60
7	36,7	36,7	63
9	42	42	72

* Maximum flow to maintain stated oil removal performance

Flow characteristics



Flow characteristics



Ordering information

Models listed include a yoke with ISO G threads, filter with service life indicator, automatic drain, and a bowl with liquid level indicator.

Port size	Type	Model	kg
G1/2	Standard flow (short element)	F68C-4GD-AR0	2,36
G3/4	High flow (long element)	F68H-6GD-AU0	2,66
G1	High flow (long element)	F68H-8GD-AU0	2,60

Alternative models

F 6 8 ★ - ★ ★ ★ - ★ ★ ★

Type	Substitute	Element	Substitute	Bowl	Substitute	Drain	Substitute
Standard flow, 0,5 litre bowl	C	Coalescing	0	1 l without liquid level indicator	C**	Manual	M
High flow, 1 litre bowl	H			0,5 l without liquid level indicator	M*	Auto drain	A
				0,5 l with liquid level indicator	R*	No drain (closed bowl)	E
				1 l with liquid level indicator	U**	Manual, 1/4 turn	Q
Port Size	Substitute						
1/2"	4*						
3/4"	6						
1"	8						
None	N						
Threads	Substitute						
PTF	A						
ISO Rc taper	B						
ISO G parallel	G						
None	N						
Service life indicator	Substitute						
Visual	D						
Electrical	E						
Without	N						

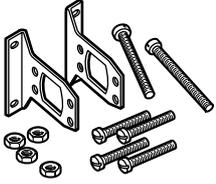
* Only available with F68C.

** Only available with F68H.



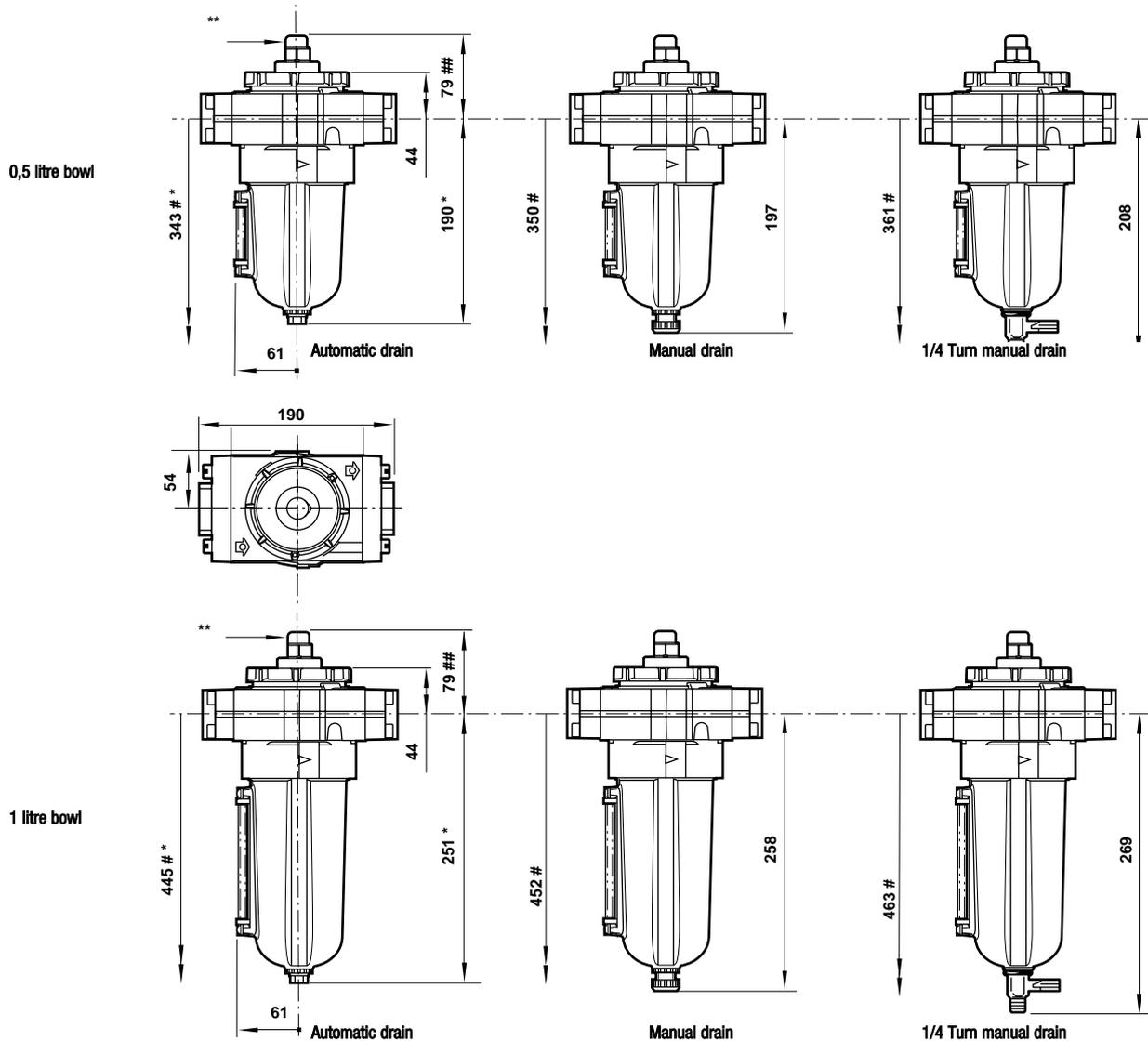
Accessories

Wall mounting bracket



18-001-979

Dimensions



* Dimension also applies to closed bottom bowl.

** Standard visual service indicator

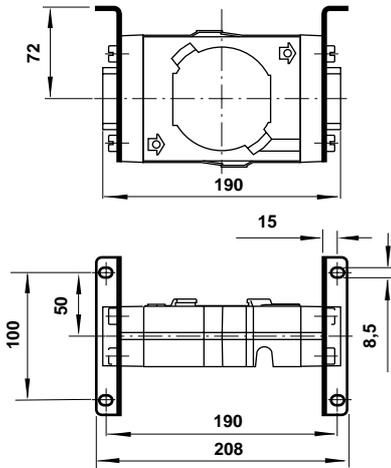
Minimum clearance required to remove bowl

For optional electrical service life indicator, add 5 mm



Bracket mounting

Use 4 mm screws to mount bracket to wall.



Bracket kit reference

Item	Type	Model
Wall mounting bracket	G1/2, G3/4, G1 ported yokes	18-001-979

Service kits

Item	Type	Model
Service kit	Non relieving	4383-301
Replacement element	Standard flow (F68C)	5351-08
	High flow (F68H)	5351-03
Replacement sight glass kit	0,5 litre	4380-060
	1 litre	4380-061
Replacement drain	Automatic (G1/8 outlet)	3000-04
	Automatic (1/8 NPT outlet)	3000-03
	Manual	684-84
	Manual, 1/4 turn	619-50
Service life indicator	Visual	5797-50
	Electrical	4020-51R

Service kit includes element seal, bowl seal and drain 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.