

FFV68 - Olympian Plus plug-in system Ultra high efficiency coalescing filter

- Port size: G1/2 ... G1
- Ultra high efficiency coalescing filters with active carbon pack
- Carbon pack assists in the removal of hydro-carbon gases and odours



Technical features

Medium:

Compressed air only

Maximum operating pressure:

17 bar (246 psi)

Particle removal:

To 0,01 µm

Maximum remaining oil content in outlet air:

0,003 mg/m³ max at +21°C (+70°F)

Flow:

See table below

Port sizes:

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

Drain:

Automatic or manual drain

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:

Standard

Bowl size:

1/2" :- 0.5 Litre

3/4" & 1" :- 1 Litre

Ambient/Media temperature:

-20° ... +65°C (-4°... +149°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

Main filter element & activated carbon pack: Composite materials

Elastomers: NBR

Service life indicator:

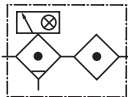
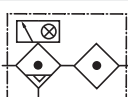
Body: Transparent PA

Internal parts: Acetal

Spring: Stainless steel

Elastomers: NBR

Technical data - standard models

Symbol	Port size	Size	Drain	Flow *1) (dm ³ /s)	Bowl size (litre)	Weight (kg)	Model
	G1/2	—	Manual	25	0,5	4,44	FFV68-428
	G3/4	—	Manual	35	1	5,05	FFV68-628
	G1	Basic	Manual	60	1	5,05	FFV68-828
	G1/2	—	Automatic	25	0,5	4,44	FFV68-408
	G3/4	—	Automatic	35	1	5,05	FFV68-608
	G1	Basic	Automatic	60	1	5,05	FFV68-808

* Typical flow with inlet pressure 6,3 bar (90 psi) set pressure.

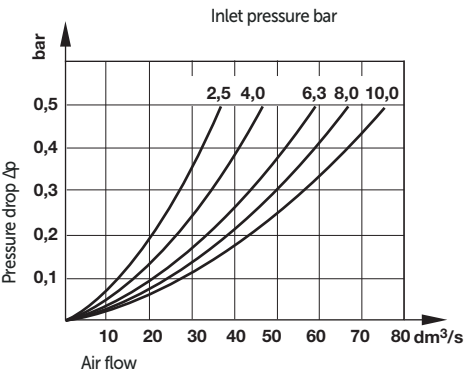
Option selector

FFV68-★★8

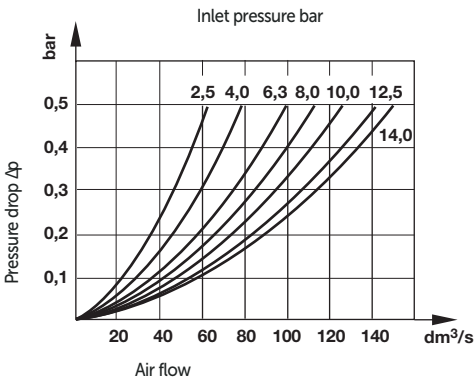
Port size	Substitute	Drain	Substitute
G1/2	4	Automatic	0
G3/4	6	Manual, spindle type	2
G1	8		

Flow characteristics

Port size: 1/2"
Dry element



Port size: 1"
Dry element



Accessories

Double yoke		End connector kit	Single yoke non threads	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	Bracket mounting
Thread						
G1/2	Y68A-4GN-N2N			T68H-4GB-B2N	T68H-4GC-B2N	18-001-979
G3/4	Y68A-6GN-N2N	5524-55	74785-98	T68H-6GB-B2N	T68H-6GC-B2N	18-001-979
G1	Y68A-8GN-N2N	5524-52		T68H-8GB-B2N	T68H-8GC-B2N	18-001-979

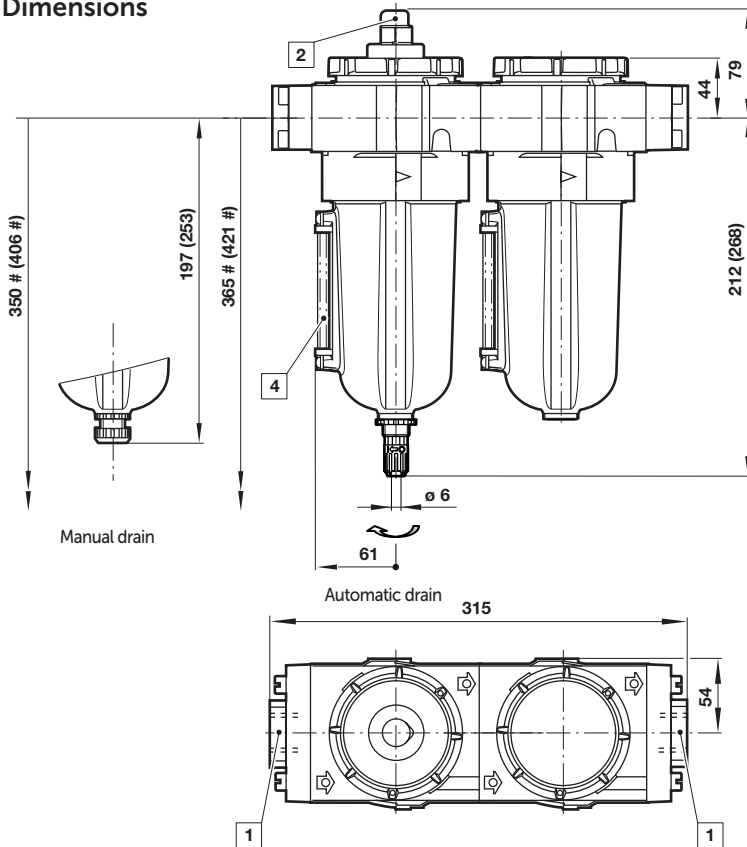
Nut	Porting block
5520-89	18-026-986 (G1/4 & G1/2)

Service kit

Part Number	Coalescing Element	Coalescing Element & Autodrain	Vapour Element	Autodrain	Manual Drain
FFV68-4xx	5351-08	F68C-KITA0C	665-72	6000-50	684-85
FFV68-6xx	5351-03	F68H-KITA0C	665-70	6000-50	684-85
FFV68-8xx	5351-03	F68H-KITA0C	665-70	6000-50	684-85
	Element includes O ring seal	Service kit includes element, drain and seals	Element includes O ring seal	Drain & Seals	Drain & Seals

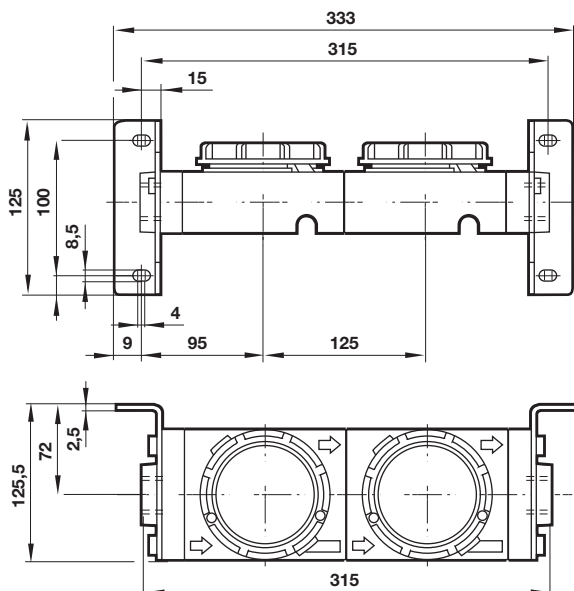
Dimensions

Dimensions in mm
Projection/First angle

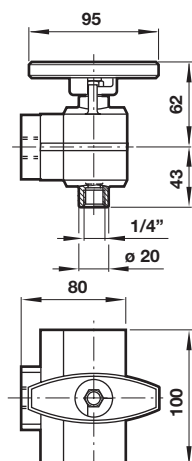


Minimum clearance required to remove bowl
() values for 1 litre bowl
1 Main ports 1/2", 3/4" or 1"
2 Service life indicator
4 Sight glass

Double yoke with bracket

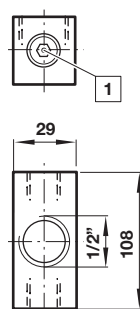


3/2 Shut-off valve



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.