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NORGREN

F18
General purpose filter
G1 1/2 & G2

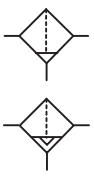
Direct ported filter with high water removal efficiency

Highly visible, prismatic liquid level indicator lens

High flow with minimal pressure drop

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

Optional electrical service indicator also available



Technical features

Medium:
Compressed air
Operating pressure::
17 bar max.
Particle removal:
40 µm standard, 5 µm optional
Flow:
See below
Port size:
G1 1/2 or G2

Drain:
Manual or automatic
Automatic drain operating conditions:
Drain closes when bowl pressure > 0,3 bar
Drain opens when bowl pressure: ≤ 0,2 bar
Minimum air flow required to close drain:
1 dm^3/s

Fluid/Ambient temperature:
-34 ... +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials:
Body, intermediate body and bowl: Aluminum
Liquid level indicator: Transparent nylon
Filter element: Sintered bronze
Elastomers: Neoprene and nitrile

Technical data, standard version

Symbol	Port size	Filter element (µm)	Flow *1) (dm^3/s)	Drain	Bowl	Weight (kg)	Model
	G 1 1/2	40	765	Manual	Metal	6,7	F18-B00-M3DG
	G 2	40	765	Manual	Metal	6,6	F18-C00-M3DG
	G 1 1/2	40	765	Automatic	Metal	6,7	F18-B00-A3DG
	G 2	40	765	Automatic	Metal	6,6	F18-C00-A3DG

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

Options selector

F18-★0★-★★D★

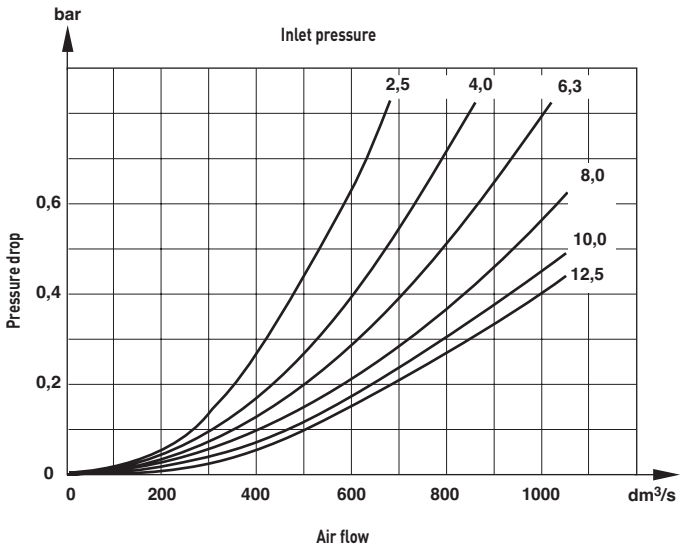
Port size	Substitute
G 1 1/2	B
G 2	C
Service life indicator	**Substitute**
Without	0
With (pneumatic)	1
With (electrical)	4
Drain	**Substitute**
Automatic	A
Manual, 1/4 turn	M

Thread	Substitute
PTF	A
ISO G	G
Filter element	**Substitute**
5 µm	1
40 µm	3

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Flow characteristics

Port size 2", 40 µm filter element 10 bar



Accessories

Service life indicator (pneumatic)	Service life indicator (electrical)
5797-50	4020-51

Service kit

	Service kit , automatic drain
40 µm:	F18-100A
5 µm:	F18-100A (5)

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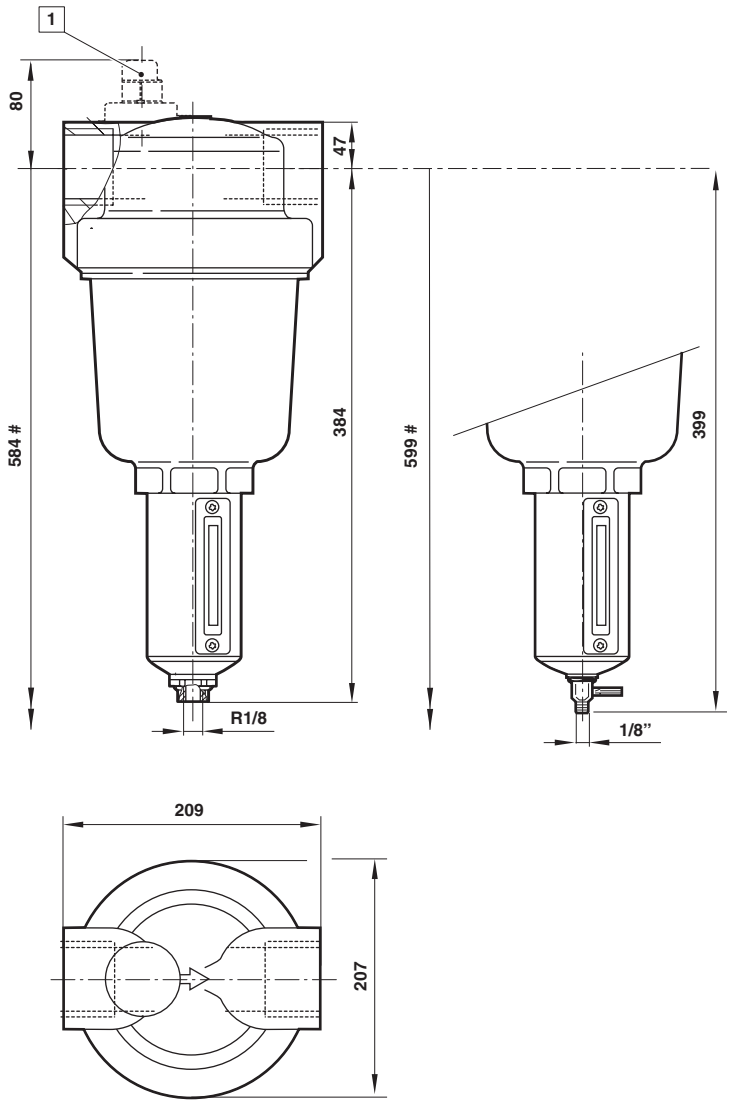
Dimensions



Min clearance required to remove intermediate body and bowl.

1 Services indicator optional

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical features'.
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.

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