

F47 series Oil removal filters

- Port size: 1 1/2" & 2" (ISO G, PTF)
- High efficiency oil and particle removal
- Standard service life indicator turns from green to red when the filter element needs to be replaced



Technical features

Medium:

Compressed air only

Maximum operating pressure:

17 bar (250 psi)

Particle removal:

0,01 µm

Remaining oil content:

0,01mg/m³ maximum

Flow:

See below

Port size:

1 1/2" or 2"

Drain:

Automatic or manual

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: > 0,35 bar (5 psi)
Bowl pressure required to open drain: ≤ 0,2 bar (2.9 psi)
Minimum air flow required to close drain: 0,1 dm³/s (0.2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl.

Ambient/Media temperature:

-34 ... 65°C (-30 ... 149 °F)

Air supply must be dry enough to avoid ice formation at temperatures below 2°C (+35 °F).

Note: Install an F18 filter with 5 µm filter element upstream of the F47 filter for maximum service life.

Materials:

Body, intermediate body and bowl: Aluminum
Liquid level indicator: Transparent PA
Element: Synthetic fiber & PU foam
Elastomers: CR & NBR
Service indicator: Transparent PA body
Internal parts: Acetal
Spring: Stainless steel
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Flow *1) (dm ³ /s)	Drain	Bowl	Weight (kg)	Model
	G 1 1/2	118 (standard flow)	Automatic	Metal	7,04	F47-B01-A0DG
	G 2	156 (standard flow)	Automatic	Metal	6,47	F47-C01-A0DG
	G 2	284 (high flow)	Automatic	Metal (long)	10,06	F47-C21-A0DG

*1) Maximum flow with 6,3 bar (91 psi) inlet pressure to maintain stated oil removal performance

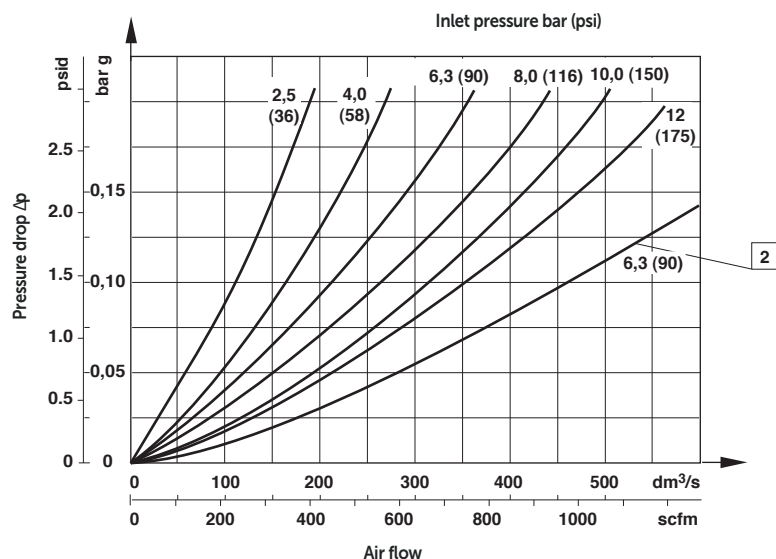
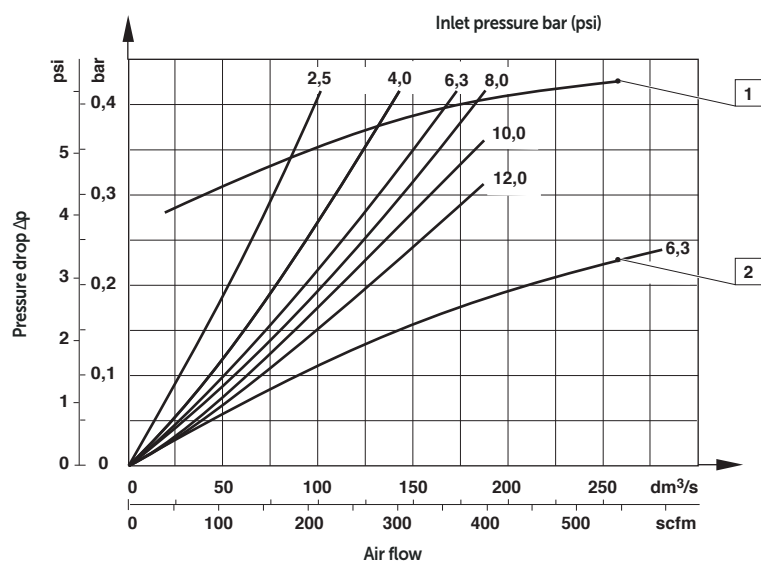
Option selector

Port size		Substitute		Thread		Substitute	
1 1/2"		B		PTF		A	
2"		C		ISO G parallel (standard)		G	
Flow		Substitute		Drain		Substitute	
Standard		0		Automatic		A	
High		2		Manual, 1/4 turn		M	

F47-★1-★0D★

Flow characteristics

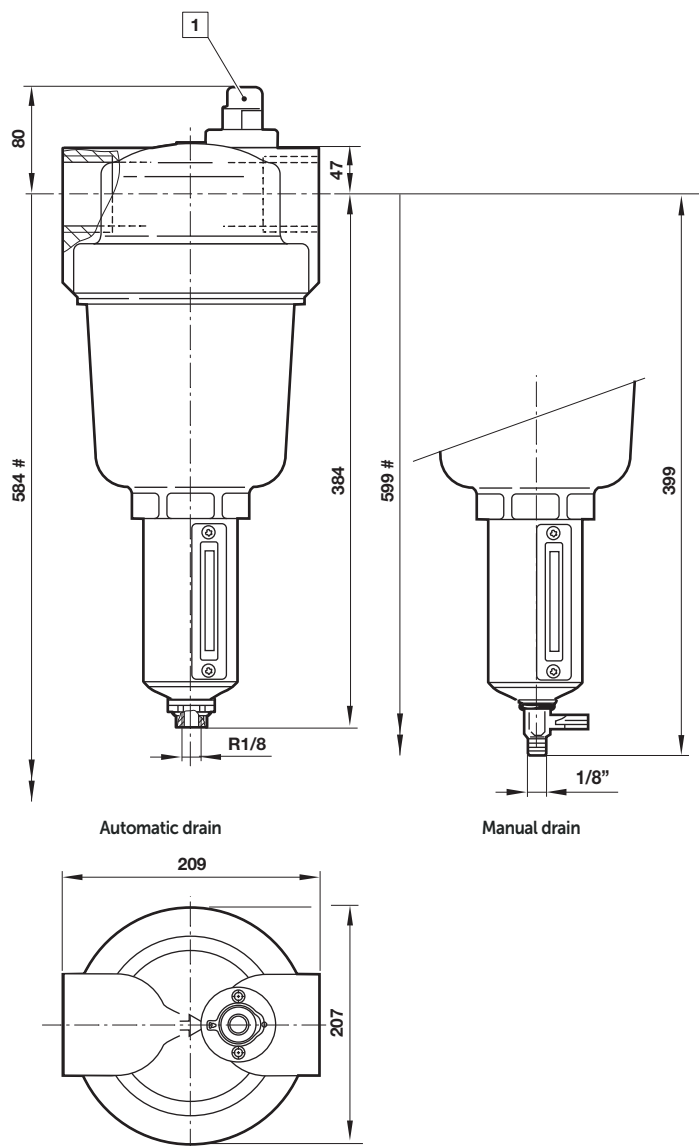
Port size G2



- 1 Maximum flow to maintain started oil removal performance
- 2 High flow element

Dimensions

Standard flow element

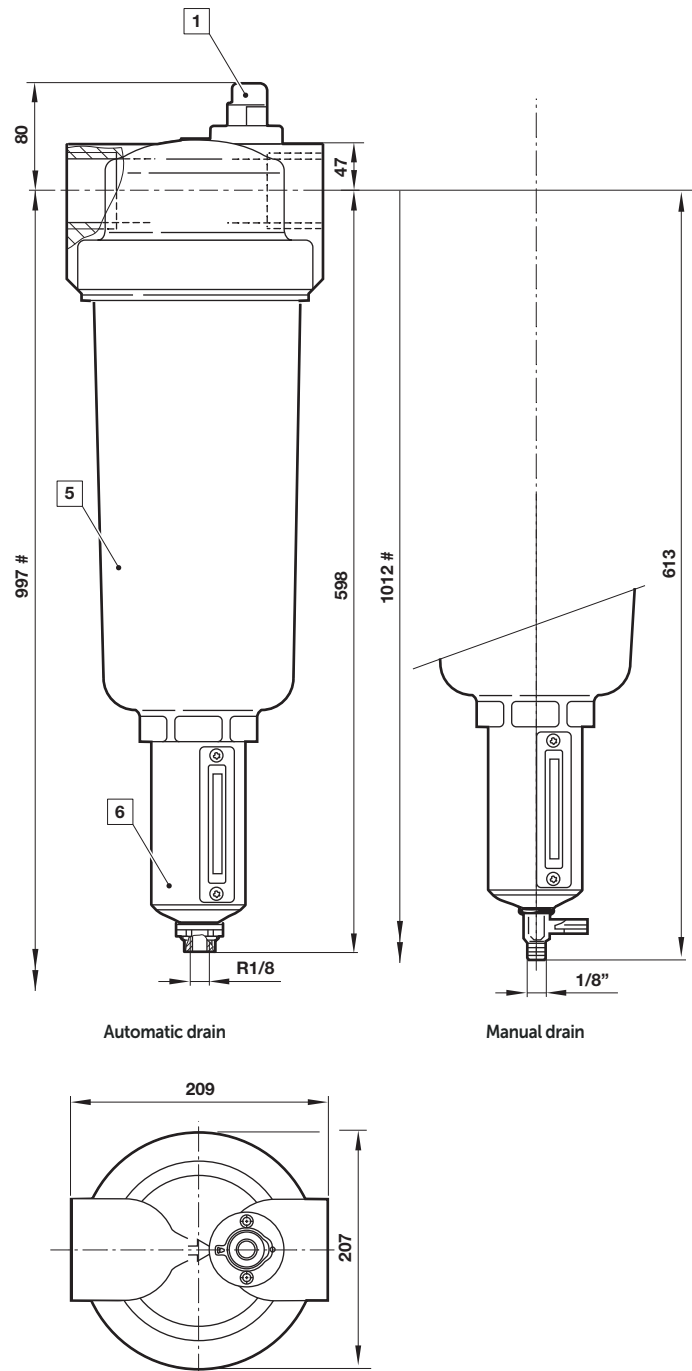


Min clearance required to remove intermediate body and bowl.

1 Services indicator

High flow element

Dimensions in mm
Projection/First angle



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.