

F46 series Oil removal (coalescing) filter

- Port size: 3/4" ... 1 1/4" (ISO G, PTF)
- High efficiency oil and particle removal
- Standard service indicator turns from green to red when the filter element needs to be replaced



Technical features

Medium:	Maximum remaining oil content of air leaving the filter:	Ambient/Media temperature:	Materials:
Compressed air	0,01 ppm at +20°C (+70°F) when air is pre-filtered with a Norgren oil removal filter	-34° ... +65°C (-30° ... +150°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).	Body and bowl: aluminum Bowl sight glass: pyrex Elastomers: NBR Filter element: synthetic fiber and PU foam
Operating pressure:	Drain:	Note:	
17 bar (250 psi) maximum	Manual or automatic	Install an F17 filter with a 5 µm filter element upstream of the F46 filter for maximum service life.	
Particle removal:	Bowl size:		
Down to 0,01 µm	1 litre (1 quart US)		
Flow:			
See below			
Port size:			
3/4", 1" or 1 1/4"			

Technical data, standard models

Symbol	Port size	Maximum flow (dm ³ /s)	scfm	Weight (kg)	(lbs)	Model
	3/4"	42	90	4,11	9,06	F46-601-M0DG
	1"	59	125	4,05	8,92	F46-801-M0DG
	1 1/4"	59	125	4,29	9,45	F46-A01-M0DG
	3/4"	42	90	4,11	9,06	F46-601-A0DG
	1"	59	125	4,05	8,92	F46-801-A0DG
	1 1/4"	59	125	4,29	9,45	F46-A01-A0DG

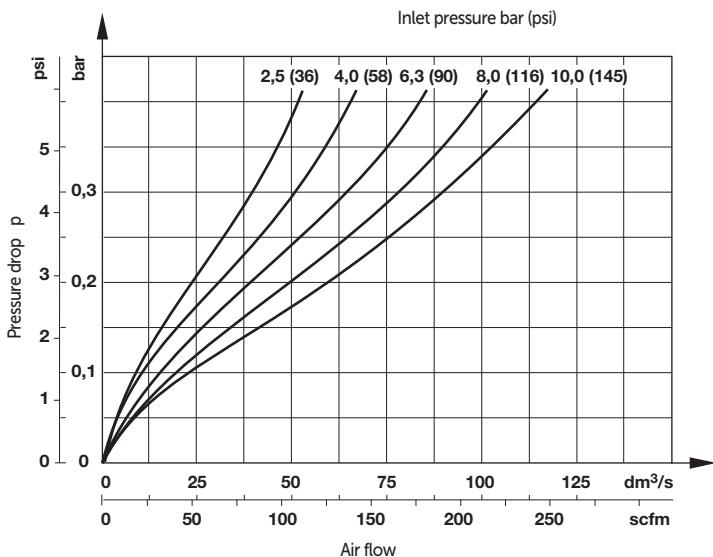
*1) Maximum flow for oil-saturated element at 6,3 bar (90 psi) inlet pressure to maintain stated oil removal performance.

Option selector

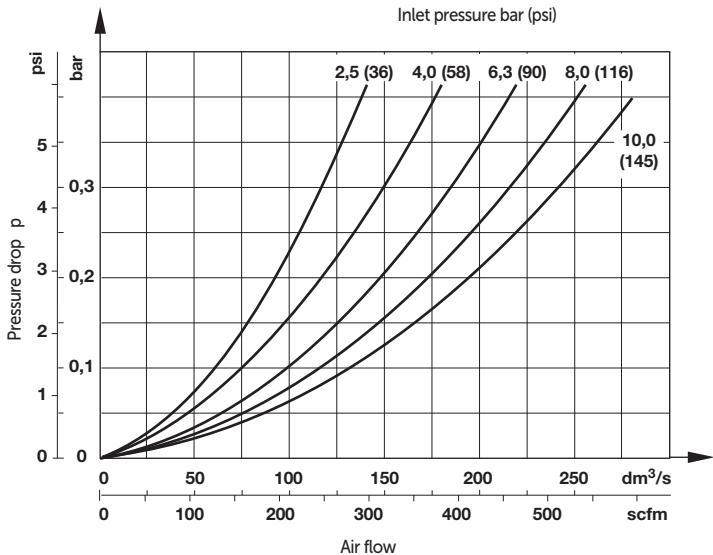
F46-★0★-★0★★	
Port size	Substitute
3/4"	6
1"	8
1 1/4"	A
Service life Indicator	Substitute
Without	0
With (standard)	1
Drain	Substitute
Manual (standard)	A
Open ended adaptor	M
Thread	Substitute
PTF	A
ISO G parallel (standard)	G
Bowl	Substitute
With sight glass (standard)	D
Without sight glass	M

Flow characteristics

Port size: 1", oil stated element

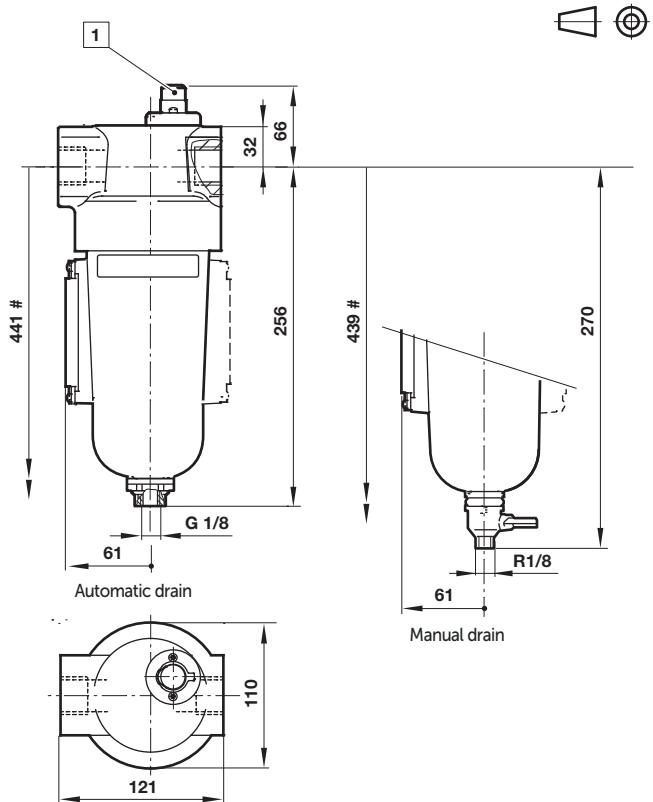


Dry element



Dimensions

Dimensions in mm
Projection/First angle



Min clearance required to remove intermediate body and bowl.

1 Standard with service life indicator

Service kit

Service kit
'O'-rings and gaskets



5351-04

Service kit contains coalescing element, element o-ring, bowl o-ring, and drain gasket.

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.