



High efficiency oil and particle removal

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

NOTE: Install an F17 filter with a 5 µm filter element upstream of the F46 filter for maximum service life.

Technical data

Fluid:

Compressed air, neutral gases
NOTE: Contact technical support for use with other media.

Maximum pressure

250 psig (17 bar)

Operating temperature:*

-30° to 150°F (-34° to 65°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)

Particle removal:

Down to 0.01 µm
Maximum remaining oil content in outlet air:
0.01ppm at 70°F (20°C) with an inlet oil concentration of 17 ppm.

Nominal bowl size:

1 quart US (1 liter)

Manual drain connection:

1/8-27 and 1/8-28 female pipe thread.

Automatic drain connection:



1/8-27 and 1/8-28 male pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

Materials

Body: aluminum
Bowl: aluminum
Bowl sight glass: Pyrex
Elastomers: chloroprene, nitrile
Filter element: synthetic fiber and polyurethane foam

Ordering information

Models listed include service indicator, automatic drain, metal bowl with sight glass, and PTF threads.

ISO Symbols	Port Size	Model Numbers	Maximum Flow* scfm (dm3/s)	Weight lbs (kg)	Element Kit**
 Auto Drain	3/4"	F46-601-A0DA	90 (42)	4.11 (1.86)	5351-04
 Manual Drain	1"	F46-801-A0DA	125 (59)	4.05 (1.84)	
	1-1/4"	F46-A01-A0DA	125 (59)	4.29 (1.95)	

* Maximum flow for oil-saturated element at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance.

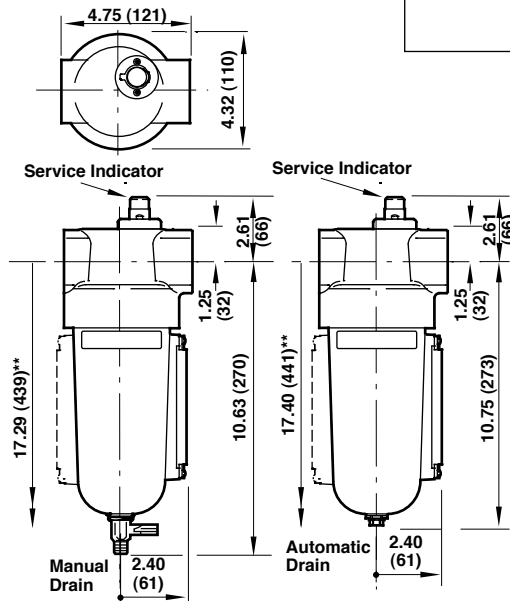
**Service kit contains coalescing element, element o-ring, bowl o-ring, and drain gasket.

Alternative Models

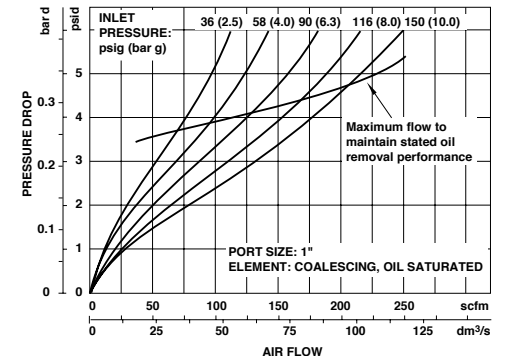
Port Size	Substitute
3/4"	6
1"	8
1-1/4"	A

F46-★01-★0D★

Threads	Substitute
PTF	A
ISO G parallel	G
Bowl	Substitute
Metal with sight glass	D
Drain	Substitute
Automatic	A
Manual	M



Typical Performance Characteristic



Dimensions in inches (mm)