

# F46

## F46 Oil Removal (Coalescing)

Filter 3/4", 1", and 1-1/4" Port Sizes

**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 Norgren 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)

Oil aerosol removal:

Down to 0.01 µm

Air quality:

Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

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:

Will fit 1/8-27 and 1/8-28 male pipe thread.

Automatic drain connection:

Will fit 1/8-27 and 1/8-28 female 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: Neoprene and 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.

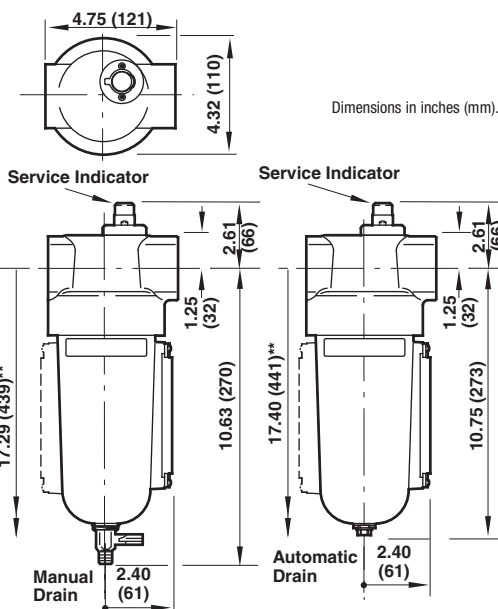
Port Size	Model Numbers	Maximum Flow* scfm (dm³/s)	Weight lbs (kg)	Element Kit**
3/4"	F46 601 A0DA	90 (42)	4.11 (1.86)	5351-04
1"	F46 801 A0DA	125 (59)	4.05 (1.84)	
1-1/4"	F46 A01 A0DA	125 (59)	4.29 (1.95)	

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

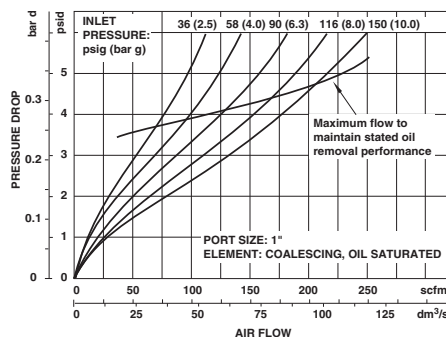
\*\*Service kit contains coalescing element, element o-ring, bowl o-ring, and drain gasket.

### Alternative Models

Port Size	Substitute	Threads	Substitute	Bowl	Substitute	Drain	Substitute
3/4"	6	PTF	A	Metal with sight glass	D	Automatic	A
1"	8	ISO G parallel	G			Manual	M
1-1/4"	A						



### Typical Performance Characteristic



### ISO Symbols

