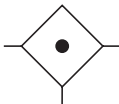


PF11 Coalescing Filters – Standard

- Stainless steel construction handles most corrosive environments
- Meets NACE specifications MR-01-75/ISO 15156
- 1/8" female threaded drain
- 1/2" port (NPT, BSPP)



Port Size	Description	Part Number
1/2"	Twist Drain, with Sight Gauge, NPT	PF11-04WJSS
1/2"	Auto Float Drain, with Sight Gauge, NPT	PF11-04WJRSS

Operating information

Operating pressure:
Twist drain, no sight gauge 0 to 300 psig (0 to 20.7 bar)
Twist drain, sight gauge 0 to 250 psig (0 to 17.2 bar)
Auto float drain 10 to 175 psig (0 to 12 bar)

Operating temperature:
Twist drain, no sight gauge 0°F to 180°F (-18°C to 82°C)
Twist drain, sight gauge 0°F to 150°F (-18°C to 66°C)
Auto float drain 32°F to 150°F (0°C to 66°C)

Flow capacity†: 45 scfm (21.2 dm³/s, ANR)
Bowl capacity: 4.0 oz.
Filter rating: 0.01 micron
Sump capacity: 1.7 oz.
Weight: 1.9 lb (0.85 kg)

Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (0°C)

† scfm = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

Ordering Information:

PF11

-

04

D

J

SS

Port Type

NPT -

BSPP G

Port Size

1/2 inch 04

Bowl Type

Metal Bowl without Sight Gauge D

Metal Bowl with Sight Gauge W

Material

SS Stainless Steel

Option

Blank Manual Twist Drain

R Auto Float Drain

Element

J 0.01 micron

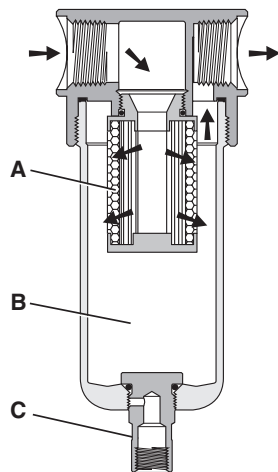
Most popular.



For inventory, lead times, and kit

Standard Coalescing Filter

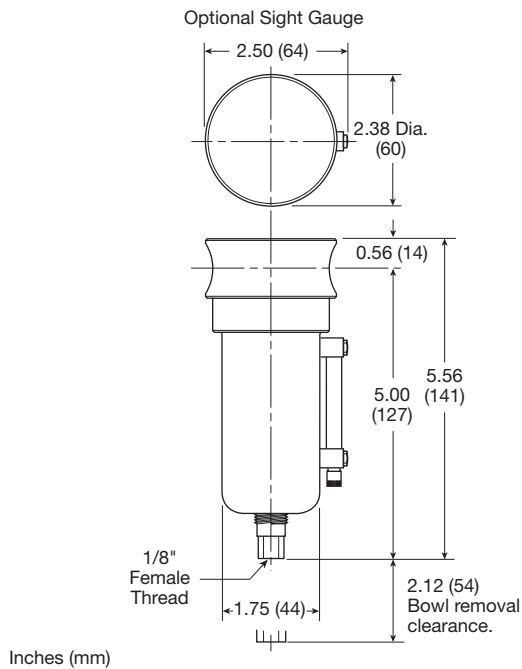
Operation



The contaminated air enters the element interior and is forced through a thick membrane (A) of "borosilicate" glass fibers coated with epoxy. Flow then passes through the element, and at this stage 99.9997% of the sub micron particles have been removed from the air stream. The tiny droplets coalesce together and are collected from the filter element by the outer drain layer.

The clean, filtered air now passes through and out into the pneumatic system. The air line coalescing filter removes liquid aerosols and sub-micron particulate matter.

Collected liquids and particles in the "quiet zone" (B) should be drained before their level reaches a height where they would be reentrained in the flowing air. This can be accomplished by unscrewing the drain valve (C) slightly until the liquid begins to drain.



Stainless Steel

Material Specifications

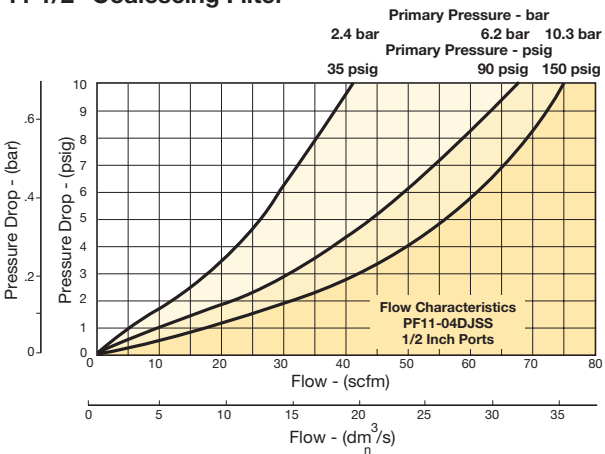
Body	316 Stainless Steel
Bowls	316 Stainless Steel
Drain	316 Stainless Steel
Element holder	Acetal
Filter element	Borosilicate Fiber
Seals	Fluorocarbon
Sight gauge	Isoplast

Repair and Service Kits

Automatic float drain	SA10MDSS
0.01 micron element	EKF71
Pipe nipple, 1/2" 316 stainless steel	616A28-SS

Flow Charts

PF11 1/2" Coalescing Filter



F

Stainless Steel
Products

Filters

Coalescers

Regulators

Filter /
Regulators

Lubricators



For inventory, lead times, and kit