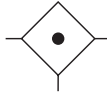


PF501 Coalescing Filters – Miniature

- Stainless steel construction handles most corrosive environments
- Meets NACE specifications MR-01-75/ISO 15156
- 1/8" female threaded drain
- 1/4" port (NPT, BSPP)



Port Size	Description	Part Number
1/4"	Twist Drain, NPT	PF501-02DHSS
1/4"	Auto Pulse Drain, NPT	PF501-02DHRSS

Operating information

Operating pressure:	
Twist drain	0 to 300 psig (0 to 20.7 bar)
Auto pulse drain	10 to 175 psig (0 to 12 bar)
Operating temperature:	
Twist drain	0°F to 180°F (-18°C to 82°C)
Auto pulse drain	32°F to 150°F (0°C to 66°C)
Flow capacity†:	16 scfm (7.6 dm³/s, ANR)
Bowl capacity:	1.0 oz.
Filter rating:	0.01 micron
Sump capacity:	0.4 oz.
Weight:	0.6 lb (0.27 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.

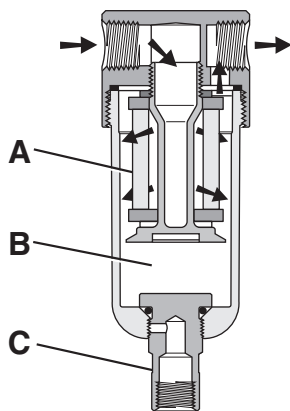
Ordering Information:

PF501	-	02	D	H		SS
Port Type NPT - BSPP G		Port Size 1/4 inch 02		Option Blank Manual Twist Drain R Auto Pulse Drain		Material SS Stainless Steel
Bowl Type Metal Bowl without Sight Gauge D		Element H 0.01 micron				



MINIATURE COALESCING FILTER

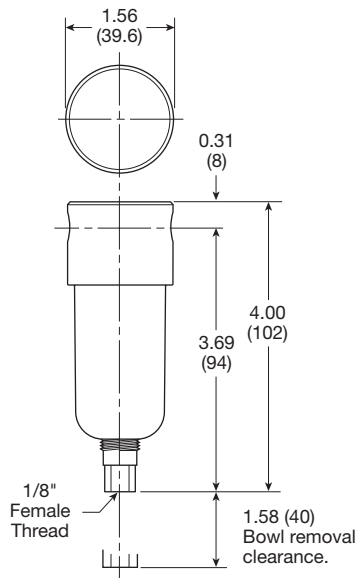
Operation



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 99.97% 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.



Inches (mm)

STAINLESS STEEL

Material Specifications

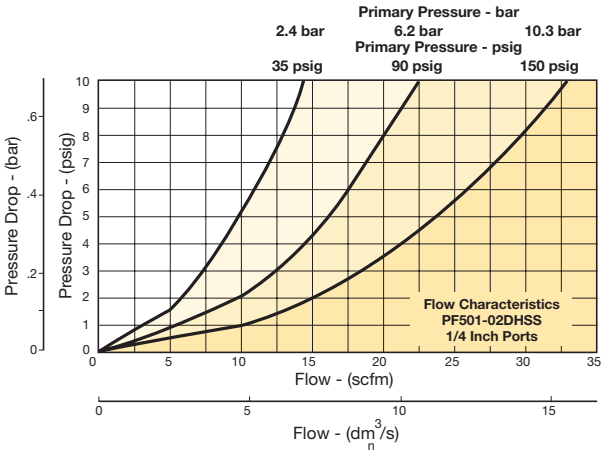
Body	316 stainless steel
Bowls	316 stainless steel
Drain	316 stainless steel
Element holder	Acetal
Filter element	Borosilicate Fiber
Seals	Fluorocarbon

Repair and Service Kits

Auto pulse drain	RK504SY-SS
Manual twist drain (small, old)	SA600Y7-1SS
Manual twist drain (large, new)	SAP05481
0.01 micron element	EKF501H
Pipe nipple, 1/4" 316 stainless steel	1/4 FF-SS

Flow Charts

PF501 1/4" Coalescing Filter



F

Stainless Steel
Products

Filters

Coalescers

Regulators

Filter /
Regulators

Lubricators



For inventory, lead times, and kit

F7

Parker Hannifin Corporation
Pneumatic Division