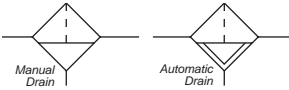
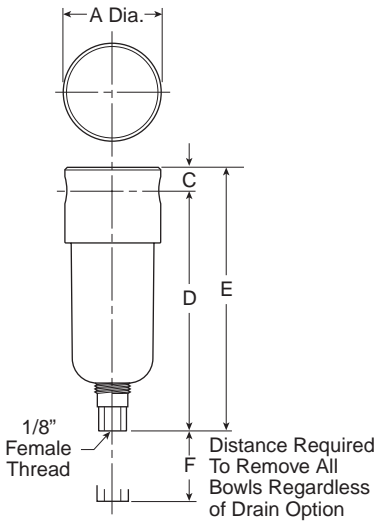


PF504 Filter – Miniature



Features

- Stainless steel construction handles most corrosive environments.
- Fluorocarbon seals standard.
- Meets NACE specifications MR-01-75/ISO 15156.
- 1/8" female threaded drain.
- High Flow: 1/4" - 23 SCFM<sup>s</sup>



Port Size	NPT	BSP
	Manual Twist Drain	Manual Twist Drain
1/4"	<b>PF504-02DHSS</b>	PF504G02DHSS

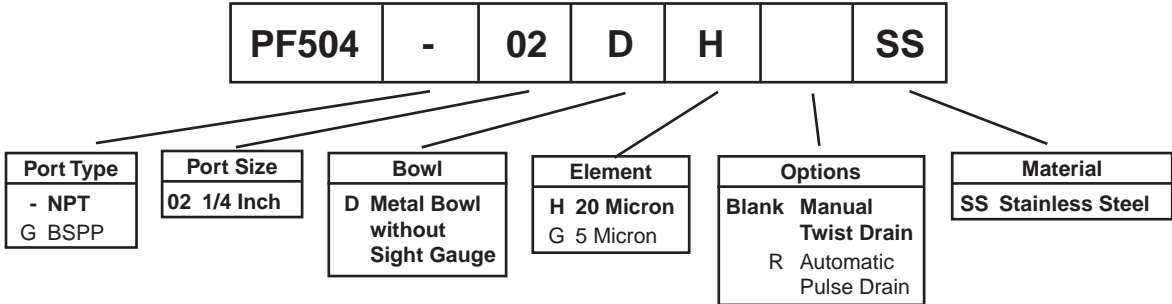
Standard part numbers shown bold.  
For other models refer to ordering information below.

SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

PF504 Filter Dimensions		
A	C	D
1.56 (40)	0.31 (8)	3.69 (94)
E	F	
4.00 (102)	1.58 (40)	

inches  
(mm)

Ordering Information

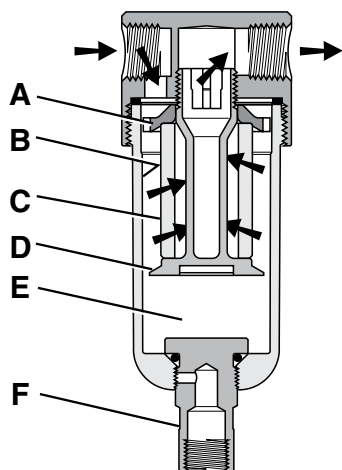


BOLD ITEMS ARE MOST POPULAR.



## Technical Specifications – PF504

## Operation



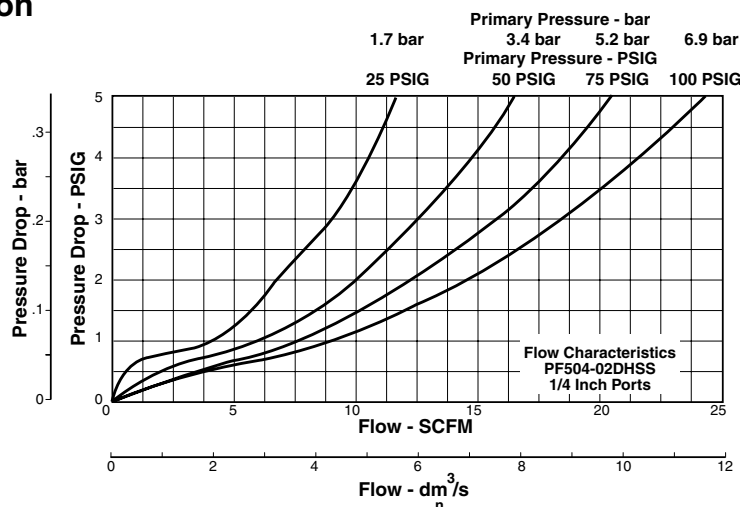
## First Stage Filtration:

Air enters at inlet port and flows through deflector plate (A) which causes a swirling action. Liquids and coarse particles are forced to the bowl interior wall (B) by the centrifugal action of the swirling air. They are then carried down the bowl wall by the force of gravity. The baffle (D) separates the lower portion of the bowl into a "quiet zone" (E) where the removed liquid and particles collect, unaffected by the swirling air, and are therefore not reentrained into the flowing air.

## Second Stage Filtration:

After liquids and large particles are removed in the first stages of filtration, the air flows through element (C) where smaller particles are filtered out. The filtered air then passes downstream. Collected liquids and particles in the "quiet zone" (E) 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 (F) slightly until the liquid begins to drain.

## Technical Information



## PF504 Filter Kits &amp; Accessories

## Drain Kits –

Automatic Pulse Drain .....	RK504SY-SS
Manual Twist Drain–	
Small (Old) .....	SA600Y7-1SS
Large (New) .....	SAP05481

## Filter Element Kits –

Particulate (5 Micron) .....	EK504VY
Particulate (20 Micron) .....	EK504Y

## Pipe Nipple –

1/4" 316 Stainless Steel .....	616Y28-SS
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## Specifications

Bowl Capacity .....	1.0 Ounces
Filter Rating .....	20 Micron
Sump Capacity .....	0.4 Ounce
Port Threads .....	1/4 Inch

## Pressure &amp; Temperature Ratings –

Manual Twist Drain .....	0 to 300 PSIG (0 to 20.7 bar)
	0°F to 180°F (-18°C to 82°C)
Auto Pulse Drain.....	10 to 175 PSIG (0 to 12 bar)
	32°F to 150°F (0°C to 66°C)

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

Weight .....0.6 lb. (0.27 kg)

## Materials of Construction

Body .....	316 Stainless Steel
Bowls .....	316 Stainless Steel
Deflector .....	Acetal
Drain .....	316 Stainless Steel
Element Holder .....	Acetal
Filter Element .....	Polyethylene
Seals .....	Fluorocarbon