



# PP-4-FOS & PP-5-FOS Series

## Stainless Steel Housing, Sediment and Scale Reduction System

Designed for commercial water heater and tankless heating systems

Atlas Filtri® PP-4-FOS and PP-5-FOS are stainless steel high flow filtration systems for the reduction of sediment and scale in commercial water heater and tankless heating system applications. Stainless 316 housings incorporate melt blown polypropylene 5 micron filters and a special grade of polyphosphate media to reduce scale build up on heater coils and heating tank systems.

The multi-cartridge housing is a complete line of four and five round models to accommodate a wide range of flow rates. Design pressure 150psi (10bar) @ 300°F (149°F). Standard inlet and outlet connection are 2" MNPT. Standard finish is poly-coat over stainless. Standard gasket is FDA grade Buna-N.

Melt blown CPP smooth cartridges with heights from 10" to 40" are made to comply with the most stringent regulations for applications in drinking water. These five micron polypropylene cartridges are suitable for many filtration applications due to its wide chemical-physical compatibility to a variety of water-based solutions.

The polyphosphate incorporated into the center core of the filter is design as a slow release, low acid media specifically for extreme water conditions found in high temperature filtration applications. The media is designed to last 6 months as it releases slowly into the water supply.

Atlas Filtri is driven to providing our customer with the best available products to meet specific filtration requirements. This is done by using the most advanced manufacturing and design methods. The international patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri at [www.atlasfiltri.com](http://www.atlasfiltri.com)



PP-4-FOS and PP-5-FOS  
Stainless Steel Housings



10", 20", 30" and 40"  
Sediment Filter with Scale  
Reduction Media

### Features

- Designed for commercial and industrial filtration applications
- Heavy-duty stainless-steel construction
- Pipe fittings readily and easily accessible
- Knife-edge seal at both cartridge ends for a positive and seal eliminating by-pass
- Standard double open-end cartridges with scale reduction media included
- Flange connections optional
- 5micron polypropylene melt blown filters
- Polyphosphate glassy bead for slow even release of media

### Specifications

**Materials:**

Housing Construction: 316L Stainless  
Seal: FDA Grade Buna-N rubber  
Filter construction: polypropylene  
Filter media: Glassy polyphosphate

**Working conditions:**

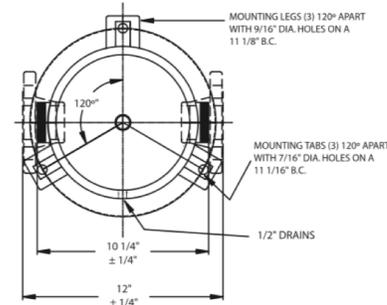
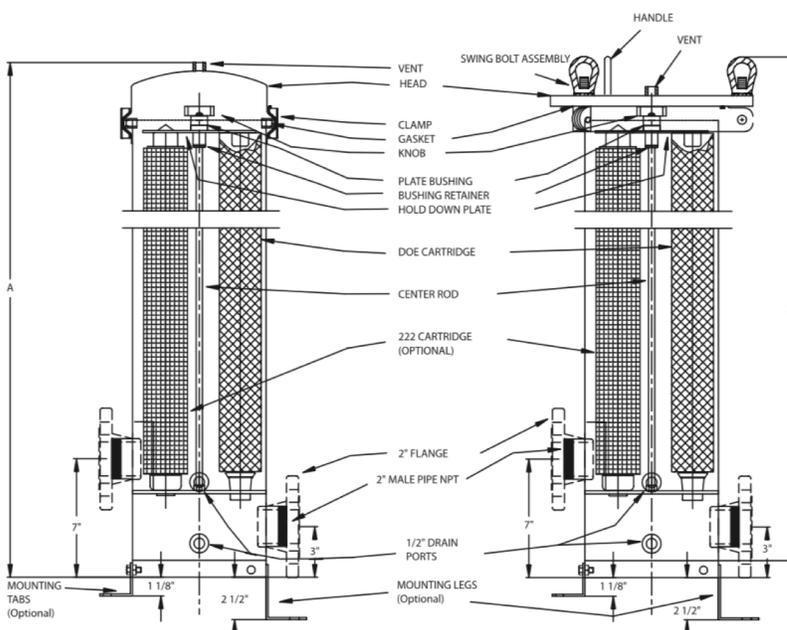
Working temperature range:  
Min 39.2°F (4°C) – Max 177°F (80.6°C)

Media temperature range:  
Max 220°F (104°C) in heated environment

## PRODUCT SPECIFICATION and PERFORMANCE

Listed PP-4-FOS & PP-5-FOS housing models with sediment and scale reduction cartridges

Model	Quantity (Length) of Cartridge (1)	Flow Rate GPM (2)	Pipe Size	Drains	Max Cartridge Diameter	Shipping Weight Clamp	Box Size Clamp	Shipping Weight Swing Bolt	Box Size Swing Bolt	Clamp Style Dim A	Swing Bolt Style Dim A
PP-4-FOS1 RA5775508	4 Cart 10" CPP-SP 10 SX 5 Micron Sediment/Scale Filter	28	2" NPT	1/4" NPT	2 1/4" DD	25 lb	12x12x23	62 lb	18x18x27	20 7/8"	22 1/4"
PP-4-FOS2 RA5777526	4 Cart 20" CPP-SP 20 RT SX 5 Micron Sediment/Scale Filter	56	2" NPT	1/4" NPT	2 1/4" DD	31 lb	12x12x33	68 lb	18x18x37	30 7/8"	32 1/4"
PP-4-FOS3 RA5778508	4 Cart 30" CPP-SP 30 SX 5 Micron Sediment/Scale Filter	84	2" NPT	1/4" NPT	2 1/4" DD	38 lb	12x12x43	74 lb	18x18x47	40 7/8"	42 1/4"
PP-4-FOS4 RA5779508	4 Cart 40" CPP-SP 40 SX 5 Micron Sediment/Scale Filter	112	2" NPT	1/4" NPT	2 1/4" DD	45 lb	12x12x53	80 lb	18x18x57	50 7/8"	52 1/4"
PP-5-FOS4 RA5779508	5 Cart 40" CPP-SP 40 SX 5 Micron Sediment/Scale Filter	140	2" NPT	1/4" NPT	2 1/4" DD	46 lb	12x12x53	82lb	18x18x57	50 7/8"	52 1/4"



Mounting Tabs (May be installed at site)



Sanitary Fittings



Gauge Ports Assembly with mounting Legs

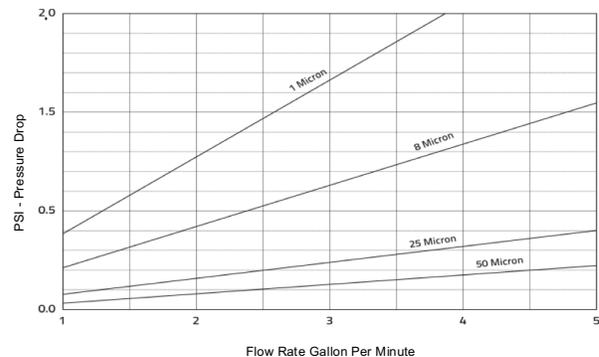


Electro Polish

## Dimensions

Model	Clamp Style	Swing Bolt Style
	Dim A	Dim B
PP-4-FOS1	20 7/8"	22 1/4"
PP-4-FOS2	30 7/8"	32 1/4"
PP-4-FOS3	40 7/8"	42 1/4"
PP-4-FOS4	50 7/8"	52 1/4"
PP-5-FOS1	20 7/8"	22 1/4"
PP-5-FOS2	30 7/8"	32 1/4"
PP-5-FOS3	40 7/8"	42 1/4"
PP-5-FOS4	50 7/8"	52 1/4"

Filter Performance Curve



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