

## FiberFlo Pleated Filters

### Polypropylene Pleated Cartridge Filters

#### Standard Features

- Increased dirt holding capacity
- Long service life
- Homogenous high purity media
  - Homogeneous high purity media. Fibers free of residual extrusion oils, surfactants, antistatic agents and resin binders.
- Stratified pore structure
  - Stratified pore structure allows separation of solids along a size gradient.
- Rigorous quality standards
  - Rigorous quality standards for polypropylene selected.
- High surface area.
- Meets FDA requirements for food contact.
- Results in particle entrapment throughout depth of media, reducing surface blinding and increasing dirt holding capacity.
- Exhibits very low protein binding characteristics. Meets USP XXI Class VI Plastic Tests, as well as, tests for cytotoxicity, hemolysis and pyrogenicity.



#### Flow Rates

The following table represents typical water flow at a one psi (69 mbar) pressure differential across a single 10-inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable; but as flows increase, the pressure drop of the housing becomes more apparent.

Typical Flow Rate								
Pore Size	0.22 µm	0.45 µm	1.0 µm	3.0 µm	5.0 µm	10.0 µm	30.0 µm	60.0 µm
GPM	3.0	5.0	8.0	12.0	16.0	18.0	>20	>20
LPM	11.35	18.92	30.28	45.42	60.56	68.13	75.70	75.70

# Technical Data

## FiberFlo Polypropylene Pleated Cartridge Specifications

### Product Specifications

Filter Media:	Pleated Polypropylene Depth Media
Membrane Support, Core Tube and End Caps:	Polypropylene
O-Ring:	Silicone
O-Ring Color:	Red
Maximum Differential Pressure at 68°F (20 °C)	Forward: 50 psi (3.4 bar) at 68°F (20°C) - Reverse: 40 psi (2.7 bar) at 68°F (20°C)
Operating Temperature:	Maximum 180°F (82°C) at 10 psi (0.69 bar) in water
Micron Ratings	0.2, 0.4, 1.0, 3.0, 5.0, 10, 30, and 60

### Cartridge Dimensions

Nominal Length*	Filtration Area
10 inch	5.8 ft <sup>2</sup> / 0.54 m <sup>2</sup>
20 inch	11.6 ft <sup>2</sup> / 1.08 m <sup>2</sup>
30 inch	17.4 ft <sup>2</sup> / 1.62 m <sup>2</sup>
40 inch	23.2 ft <sup>2</sup> / 2.16 m <sup>2</sup>

Outside Diameter: 2.75 in / 7 cm

\*Actual overall length of cartridge will vary depending on configuration. Cartridge performance is as specified regardless of configuration.

### End Fitting/Sealing Options

End Fitting	Sealing Options
SOE-222 O-Ring/Flat Bottom	(Code 3)
SOE-222 O-Ring/Fin	(Code 8)
SOE-226 O-Ring/Fin	(Code 7)
DOE-Flat Gasket/Flat Gasket	(Code DOE)
SOE-119 Internal O-Ring	(Ametek)



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