

# FiberFlo® “A” Pleated Cartridge Filters

- ✓ Absolute rated
- ✓ Long service life
- ✓ Homogenous high purity media
- ✓ Rigorous quality standards
- ✓ Integrity testable in the field

FiberFlo “A” polyethersulfone cartridges are absolutely rated cartridge filters. Made of polyethersulfone membrane, the filters have an increased surface area with excellent flow rates per 10 inch lengths. Their compatibility with a broad range of chemicals and physiological inertness makes them suitable for the filtration of sera, diagnostic reagents, biological fluids, acids, bases, water and solvents.

## Dependable Performance

FiberFlo “A” cartridges consist of a polyethersulfone membrane with thermally bonded polypropylene components to provide a very durable filter with only two materials of construction.

The unique hydrophilic polyethersulfone membrane contains no surfactants or surface wetting agents. Manufactured under QSR, the filters are 100% integrity tested in manufacturing to ensure consistent and reliable performance.

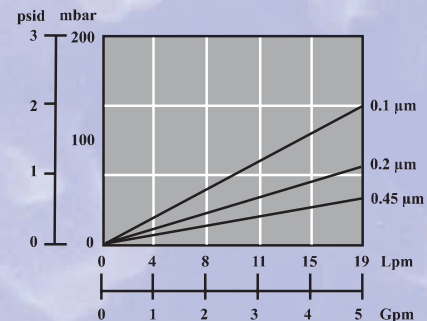
Absolute ratings for FiberFlo “A” cartridges can be verified in the field by integrity testing using bubble point or diffusional flow testing.

All FiberFlo “A” cartridges pass USP XXI class VI plastic tests as well as tests for cytotoxicity, hemolysis and pyrogenicity.

## Applications

- Final filtration for bacteria removal in reverse osmosis, deionization and other high purity water systems
- Beverage and wine filtration/clarification
- Photographic solutions
- Plating solutions
- Magnetic coatings

## Typical Water Flow Rate (10” length)



## Specifications

Filter Media:	Pleated Polyethersulfone Membrane
Membrane Support, Core Tube and End Caps:	Polypropylene
Sealing Technology:	Thermal Bonding
Endotoxins:	Less than 0.5 EU/ml
Biosafety:	All components meet or exceed USP Class VI-121 <sup>0</sup> plastic tests
Oxidizable Substances:	Filtrate meets or exceeds USP XXI requirements for purified water after 1 liter flush
O-Ring:	Silicone
O-Ring Color:	Red

## Cartridge Dimensions

Nominal Length*	Filtration Area
10 inch	6.5 ft <sup>2</sup> / 0.5 M <sup>2</sup>
20 inch	13.0 ft <sup>2</sup> / 1.0 M <sup>2</sup>
30 inch	19.5 ft <sup>2</sup> / 1.5 M <sup>2</sup>
40 inch	26.0 ft <sup>2</sup> / 2.0 M <sup>2</sup>

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

Outside Diameter: 2.77 in / 7 cm

## Max. Differential Pressure

50 p.s.i. (4.1 bar) at 77°F (25°C) pressure drop across filter.

## Max. Operating Pressure

120 p.s.i. (7 bar) at inlet.

## Pore sizes

0.1, 0.2 & 0.45 microns.

## Operating Characteristics

Typical Water Flow Rate

Pore Size	Gpm/psid/ 10 inch length	Lpm/0.1 bar/ 10 inch length
0.1 µm	2.5	13.7
0.2 µm	4.5	24.7
0.45 µm	7.0	38.4

## Recommended Integrity Test

Pore Size	Minimum Water Bubble Point	Diffusional Flow cc/min @ Test Pressure per 10" Length
0.1 µm	≥ ? psig (?)	≤ 15 @ 48 psig (3.3 bar)
0.2 µm	≥ 45 psig (3.1 bar)	≤ 15 @ 35 psig (2.4 bar)
0.45 µm	≥ 24 psig (1.7 bar)	≤ 15 @ 20 psig (1.4 bar)

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