

FiberFlo A Pleated Filters

Polyethersulfone Pleated Cartridge Filters

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, representative samples from each manufacturing lot are tested for integrity to ensure consistent performance.

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



Standard Features

- Absolute rated
- Homogenous high purity media
- Rigorous quality standards
- Long service life
- Pre-Flushed for quick Rinse up

Cartridge Dimensions	
Nominal Length*	Filtration Area
10 inch	7 ft ² / 0.65 m ²
20 inch	14 ft ² / 1.30 m ²
30 inch	21 ft ² / 1.95 m ²
40 inch	28 ft ² / 2.60 m ²

Outside Diameter: 2.75 in / 7.0 cm

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

Technical Data

FiberFlo A Pleated Cartridge Specifications

Product Specifications

Filter Media:	Pleated Polypropylene 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°C (250°F) 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
Max. Differential Pressure	Forward: 50 psi (3.4 bar) at 68°F (20°C) - Reverse: 40 psi (2.7 bar) at 68°F (20°C)
Max. Operating Pressure	120 psi (7 bar) at inlet
Pore Sizes	0.03, 0.10, 0.22, 0.45, 0.65, 0.80, 1.0, and 1.2 microns

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	0.03 µm	0.10 µm	0.22 µm	0.45 µm	0.65 µm	0.80 µm	1.0 µm	1.2 µm
GPM	1.5	2.5	4.5	7.0	8.3	9.0	9.5	9.8
LPM	5.67	9.46	17.03	26.49	31.41	34.06	35.96	37.09



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