

# FiberFlo™ “NY” Pleated Cartridge Filters

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

FiberFlo “NY” nylon cartridges are absolute rated cartridge filters. Made of nylon membrane, the filters have an increased surface area with excellent flow rates per 10 inch lengths. Nylon is compatible with a broad range of chemicals. FiberFlo “NY” filters provide an economical alternative for the filtration of water, acids, bases, solvents, and other process fluids.

## Dependable Performance

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

The nylon membrane contains no surfactants or surface wetting agents. Manufactured under QSR, the filters are integrity tested in manufacturing to ensure consistent and reliable performance, and flushed with 17+ megohm cm water to remove any manufacturing debris.

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

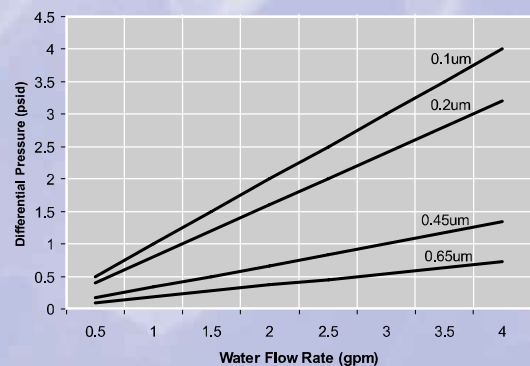
All FiberFlo “NY” cartridges pass USP XXI class VI plastic tests as well as tests for cytotoxicity, hemolysis and pyrogenicity.

## Applications

- Filtration for bacteria removal in reverse osmosis, deionization and other high purity water systems
- Particle filtration for ultrapure chemicals
- Photographic solutions
- Plating solutions
- Magnetic coatings

## Typical Water Flow Rate

(10" nominal length)



## Specifications

Filter Media:	Pleated Nylon 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	7.0 ft <sup>2</sup> / 0.65 M <sup>2</sup>
20 inch	14.0 ft <sup>2</sup> / 1.3 M <sup>2</sup>
30 inch	26.0 ft <sup>2</sup> / 1.95 M <sup>2</sup>
40 inch	28.0 ft <sup>2</sup> / 2.6 M <sup>2</sup>

**Outside Diameter: 2.77 in / 7 cm**

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

## Pore sizes

0.1, 0.2, 0.45 and 0.65 microns.

## Operating Characteristics

Typical Water Flow Rate

Pore Size	Gpm/psid/ 10 inch length	Lpm/0.1 bar/ 10 inch length
0.1 µm	1.0	3.9
0.2 µm	1.25	4.7
0.45 µm	3.0	11.4
0.65 µm	5.5	20.8

## 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.

## Max. Operating Temperature

80°C / 176°F

## Recommended Integrity Test

Pore Size	Diffusional Flow cc/min @ Test Pressure per 10" Length
0.1 µm	≤ 55 @ 48 psig (3.3 bar)
0.2 µm	≤ 55 @ 35 psig (2.4 bar)
0.45 µm	≤ 55 @ 20 psig (1.4 bar)
0.65 µm	≤ 55 @ 15 psig (1.0 bar)

**Call: (800) 328-3370**  
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