

## FiberFlo NY Pleated Filters

### Polypropylene Pleated Cartridge Filters

FiberFlo “NY” nylon 6,6 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.

Each FiberFlo “NY” cartridge filter is manufactured under QSR, representative samples from each manufacturing lot are tested for integrity to ensure consistent performance.

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

### Standard Features

- Absolute rated
- Homogenous high purity media
- Rigorous quality standards
- Long service life



### 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

| 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              | 21.0 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: 2.75 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 NY Pleated Cartridge Specifications |   |
|--|---|
| Product Specifications                       |   |
| Filter Media:                                | Pleated Nylon 6,6 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)   |
| Pore Sizes                                   | 0.10, 0.22, 0.45, and 0.65 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         | 0.10 µm | 0.22 µm | 0.45 µm | 0.65 µm |
| GPM               | 1.0     | 1.25    | 3.0     | 5.5     |
| LPM               | 3.79    | 4.73    | 11.36   | 20.82   |



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| Mar Cor Purification<br>4450 Township Line Road<br>Skipack, PA 19474-1429<br>Tel: (484) 991-0220<br>Toll Free: (800) 346-0365<br>Fax: (484) 991-0230 | Mar Cor Purification<br>14550 28th Avenue North<br>Plymouth, MN 55447<br>Tel: (484) 991-0220<br>Toll Free: (800) 633-3080<br>Fax: (763) 210-3868 | Mar Cor Purification<br>3250 Harvester Road - Unit 6<br>Burlington, ON L7N 3W9<br>Tel: (905) 639-7025<br>Toll Free: (800) 268-5035<br>Fax: (905) 639-0425 | Mar Cor Purification<br>Sourethweg 11<br>6422 PC Heerlen<br>The Netherlands<br>Tel: (+31) 45 5471 471<br>Fax: (+31) 45 5429 695 | Mar Cor Purification<br>1A International<br>Business Park, #05-01<br>Singapore 609933<br>Tel: (+65) 6227 9698<br>Fax: (+65) 6225 6848 |
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