

FiberFlo® EN Endotoxin Removal Filters

100% Endotoxin Removal*

- Removes endotoxin/pyrogen
- Dead end filtration - No waste stream from tangential flow
- Higher flow rates at lower pressure drops
- Autoclavable (121°C) and steam sterilizable
- Extended life—cleanable, sanitizable
- In-situ integrity testable
- Naturally hydrophilic membranes
- Biocompatible for medical application
- Fits inside standard cartridge filter housings



Consistent and Verifiable Pyrogen Removal

Endotoxin/Pyrogen Removal

The unique membrane property of FiberFlo EN cartridge and capsule filters provides consistent and verifiable pyrogen removal. The high level of endotoxin removal makes these filters ideal for a variety of applications requiring the removal of endotoxins for assured fluid purity.

*The FiberFlo filters have been validated to remove 100% of endotoxin at challenge rates up to 5 EU/ml with test sensitivity to 0.06 EU/ml. These levels of endotoxin are commonly found in water systems and process fluid streams, regardless of the diligence of the contamination control personnel.

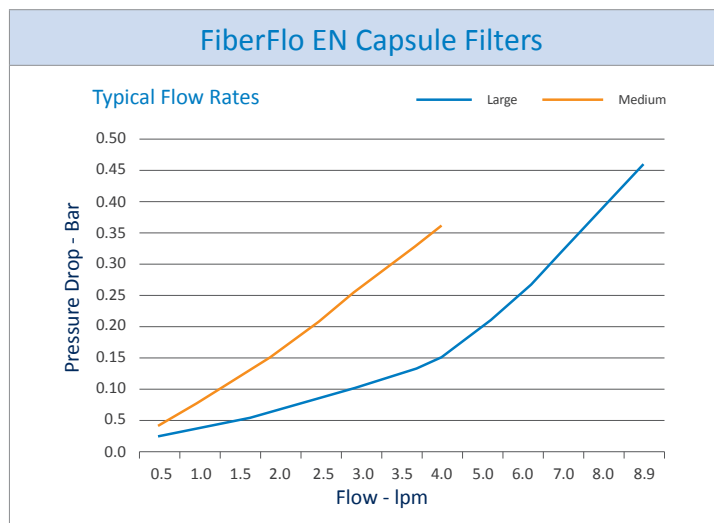
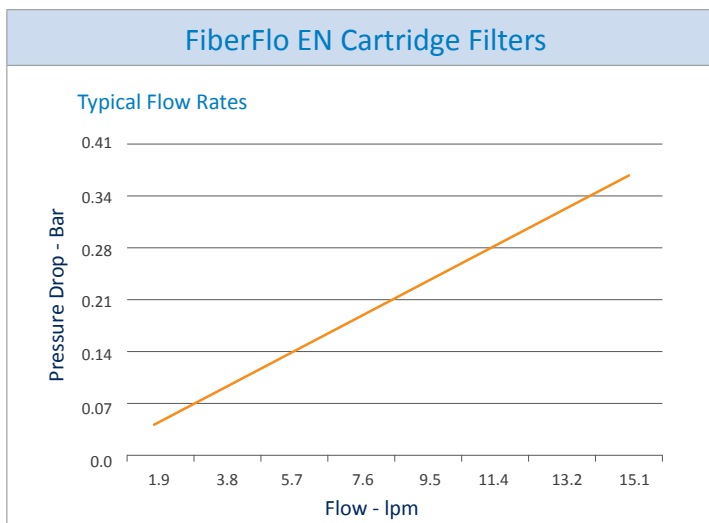
Easy to Install and Maintain

Unlike most tangential flow devices, FiberFlo EN Hollow Fiber cartridge filters can be steam sterilized in-line or autoclaved off-line. FiberFlo EN cartridge filters are available in four lengths and a variety of end cap styles to fit a variety of standard filter housings in process applications. FiberFlo EN capsule filters come in a variety of sizes and have a variety of end connections (Sanitary, Hose Barb and NPT) for easy installation in your equipment.

Quality Assured

All FiberFlo cartridge and capsule filters are manufactured to meet medical device quality standards with adherence to QSR manufacturing guidelines. These filters exceed the requirements of USP Class VI Plastics Testing and meet USP XXIII standards for purified water extractables. FiberFlo EN cartridge filters are integrity testable by diffusion flow method.

Pressure Drop and Flow Rates



Technical Data

FiberFlo Cartridge Filter Specifications

Membrane	Polyphen* Polysulfone
Maximum Differential Pressure	2 Bar (30 PSI)
Membrane Surface Area (Per 10" Segment)	1.5 m ² (16 ft ²)
Filter Diameter	6.4 cm (2.9")
Nominal Length	25 cm, 51 cm, 76 cm, 102 cm (10", 20", 30", 40")
Case and End Caps	Polycarbonate
Seal Materials	Medical Grade Polyurethane
Extractables	Passes U.S.P. tests for oxidizable substances and total solids for purified water.

Fiber meets all USP-XXIII Class VI criteria as well as test standards for tissue cytotoxicity.

FiberFlo Capsule Filter Specifications

Membrane	Polyphen* Polysulfone
Maximum Differential Pressure	2 Bar (30 PSI)
Surface Area	M = 0.61 m ² (2.0 ft ²), L = 1.83 m ² (6.0 ft ²)
Case and End Caps	Polycarbonate
Extractables	Passes U.S.P. tests for oxidizable substances and total solids for purified water.
Seal Materials	Medical Grade Polyurethane

Fiber meets all USP-XXIII Class VI criteria as well as test standards for tissue cytotoxicity.

FiberFlo Cartridge Ordering Information

1. Select type	EN	EN	EN	EN
2. Select length	10 in (25 cm)	20 in (51 cm)	30 in (76 cm)	40 in (102 cm)
3. Select style	Style 3: SOE flat, closed end, external 222 O-ring. Replaces Pall Code 3, Millipore Code 0 Style 4: SOE fin end, external 222 O-ring. Replaces Pall Code 8, Millipore Code 5 Style 5: SOE fin end, external 226 O-ring. Replaces Pall Code 7, Millipore Code Style 7: SOE mini fin end, internal 119 O-ring. Installs in standard 10 inch Ametek Housing Style 8: SOE flat, internal 119 O-ring. Installs in standard 20 inch Ametek Housing Example: EN-103 would be a 10 inch, SOE flat, closed end, external 222 O-ring. *Simple filter bowl modifications are required for this cartridge.			

FiberFlo Capsule Ordering Information*

Code	Inlet Description	Outlet Description
A	1/4 inch NPT	1/4 inch NPT
B	3/8 inch NPT	3/8 inch NPT
C	1/2 inch hose barb	1/2 inch hose barb
D	3/8 inch hose barb	3/8 inch hose barb
E	1/4 inch NPT	1/2 inch hose barb
F	1/4 inch NPT	3/8 inch hose barb
G	3/8 inch NPT	1/2 inch hose barb
H	Sanitary	Sanitary
J	Mini-ISO	Mini-ISO

Nomenclature Format - x-I-EN-y

M
-
I
-
EN
-
K

Capsule Size
End-Fitting Option
 L = 6.0 ft² (0.557 m²)
 M = 2.0 ft² (0.185 m²)
 (see chart)

*Certain Inlet/Outlet configurations are considered custom and have minimum order quantity.



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