



Pleated Cartridge Filters

High-quality for a wide range of applications

Reliable and high-quality precision filtration



Pleated Filter Technology

The technology behind the high-quality Veolia pleated filters are widely used as effective surface filtration where high flow rates and efficiency is required. Veolia offers pleated filter technologies suitable for a wide variety of applications including: pre-filtration, food and beverage, medical, pharmaceutical, harsh chemicals, ozonated water, and air or gas vents, among others. See individual pleated filter product fact sheets for more information.

Overview

Veolia offers Memtrex*, Flotrex* and XPleat* branded pleated cartridge filters at different price points.

Most applications are covered by the broad product offerings:

- · Critical filtration media: PCTE, PTFE, PES, Glass Filter, Nylon and Polypropylene
- Micron sizes range from 0.03 um to 40 um. Standard Lengths: 10, 20, 30 and 40 inches



All Veolia Pleated Filter Products Are:

- · Made in the USA
- High-quality standard of individually packaged and labeled products
- · Issued with a Certificate of Analysis (CofA)



Compliance:

(Dependent On Product Type)

- · Meets U.S. FDA for food contact under 21 CFR
- · Manufacturing facility fulfills ISO 9001
- Test criteria for USP class VI-121°C Plastics

Key Application Legend Pre-filtration

Ozonated water

Food & beverage

Medical (endoscopy)

Pharmaceuticals (endotoxins)

Air, gas, vent

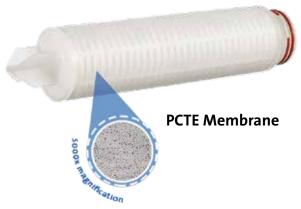
General

Microelectronics



Memtrex - Premier Pleated Product Line

Memtrex is the premier, pleated membrane filters, absolute micron ratings for the ultimate in product quality, safety and purity.



Features And Benefits:

- The Memtrex product line offers a wide range of options which can fulfill a wide array of applications for several industries.
- Veolia's Memtrex cartridge filters are designed to fit into the Veolia Stainless Steel housings 1-Round, 3-Round and 7-Round.

Quality And Compliance:

- All Memtrex filters are made in the U.S.A. with high quality control and are manufactured in an ISO 9001 certified factory.
- Depending on product type, filter materials meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR and test criteria for USP class VI-121°C Plastics.

Memtrex Family	PES (MP)	Nylon 6,6 (NY/KM)	Teflon On Polypropylene (FE)	Teflon On Halar (HFE)	Polycarbonate Track Etch (PCTE)	
Pore Sizes (Micron)	0.1, 0.2, 0.45, 0.65	0.1, 0.2, 0.45, 0.65, 1.0	0.1, 0.2, 0.45, 1.0	0.05, 0.1, 0.2, 0.45, 1.0	0.05, 0.1, 0.2, 0.45	
Filter Rating	Absolute	Absolute	Absolute	Absolute	Absolute	
Efficiency	99.9%	99.0%	99.9%	99.9%	99.99%	
Relative Costs	\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$	
Lengths	10, 20, 30, 40 inches / 254, 508, 762, 1016 mm					
Key Applications	• • •	• • •	• •	••••	• • •	

Flotrex - Mid-Range Pleated Product Line



Flotrex pleated cartridge filters are high efficiency cartridge filters with various membrane and microfiber media. The filters are midrange priced product in the line of Veolia's products portfolio.

Features And Benefits:

- Flotrex pleated cartridge filters are high efficiency cartridge filters that are suitable to be used as a prefilter or final filter in many applications.
- The combination of a reasonable priced, with high quality, of both absolute and nominal micron ratings gives balance of integrity and performance.

Flotrex Family	Polypropylene (AP)	Polypropylene (PN)	Glass Fiber (GF)	Halar (HR)	
Pore Sizes (Micron)	0.6, 1, 2, 3, 5, 10, 20, 40	0.2, 0.4, 1, 2, 3, 5, 10, 30	0.4, 1, 3	3, 10, 25	
Filter Rating	Absolute	Nominal	Absolute	Absolute	
Efficiency	99.0%	<90%	99.0%	99.9%	
Relative Costs	\$\$	\$\$	\$\$	\$\$\$\$	
Lengths	10, 20, 30, 40 inches / 254, 508, 762, 1016 mm				
Key Applications	• • •	• • • •	• • •	• •	

Quality And Compliance:

- All Flotrex filters are made in the U.S.A. with high quality control and are manufactured in an ISO 9001 certified factory.
- Depending on product type, filter materials meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR and test criteria for USP class VI-121°C Plastics.

XPleat - Economical Pleated Product Line



Veolia's XPleat pleated cartridge filter line is the economical option for absolute and nominal filtration. The integrity testing is performed on a limited number of samples from each batch.

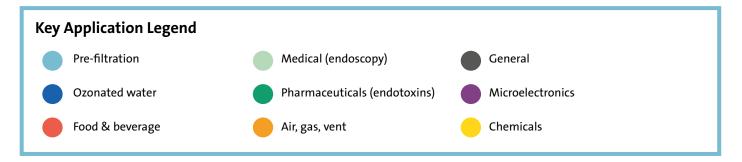
Features And Benefits:

- XPleat absolute pleated cartridge filters are designed and manufactured for resistance to a wide range of chemical solutions.
- Ideal applications are pre-filtration, post DI filtration, bacteria control in cooling tower make-up water loop, and water-based adhesive.

XPleat Family	PES (PES)	Glass Fiber (GF)	
Pore Sizes (Micron)	0.1, 0.2, 0.4, 0.6	0.2, 0.4, 1, 3, 10	
Filter Rating	Absolute	Nominal	
Efficiency	99.0%	<90%	
Relative Costs	\$	\$	
Lengths	10, 20, 30, 40 inches / 254, 508, 762, 1016 mm		
Key Applications	• • •	• • • •	

Quality And Compliance:

- All XPleat filters are made in the U.S.A with high quality control and are manufactured in an ISO 9001 certified factory.
- Depending on product type, filter materials meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR and test criteria for USP class VI-121°C Plastics.



Standard Filter Housings For Pleated Filters

Veolia offers stainless-steel housings in various sizes, 1-Round, 3-Round, and 7-Round, for pleated cartridge filters of different lengths. All the housings have a vertical orientation and are made with 316 Stainless steel. Stand, gauges, and other accessories are optional. A sanitary housing product line is also offered by Veolia for food and beverage applications.

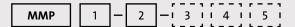




Product	Rounds	Filter Length	Connection Types	Connection End Adapters	Flow Rates
HX01	1-Round	10 or 20 in	3/4" threaded	DOE/cut ends, gasket seal, 222	5-10 gpm
HX03	3-Round	20, 30, 40 or 50 in.	1.5" threaded, 1.5" victaulic, 1.5" flange	DOE/cut ends, gasket seal, 222	30-75 gpm
HX07	7-Round	20, 30, 40 or 50 in.	2" or 3" threaded, 2" or 3" victaulic, 2" or 3" flange	DOE/cut ends, gasket seal, 222	70-175 gpm

Ordering configuration scheme for pleated filter product lines

The various end adaption and elastomer material options can be offered on most Pleated filters in the Veolia portfolio. Three Memtrex MP cartridge filters are designed for specific applications, Beverage grade = "-B", Sterilizing grade = "-S", Electronics grade = "-E".





Туре	Micron Rating (Absolute)	Cartridge Length		End #1 Adapter		End #2 Adapter	Elastomer Material
MMP	83= 0.03 91 = 0.1 92 = 0.2 94 = 0.4 96 = 0.6	1 = 10 in (25 cm) 2 = 20 in (51 cm) 3 = 30 in (76 cm) 4 = 40 in (102 cm)	0000000	A = Open end gasket B = 120 O-ring C = 213 O-ring E = 222 O-ring F = 226 O-ring J = 020 Adapter Q = 222 O-ring Stainless steel support ring (1) Z = 226 O-ring Stainless steel support ring (1)	00000	A = Open end gasket B = 120 O-ring C = 213 O-ring G = Closed end cap H = Fin adapter	B = Buna-N E = EPDM S = Silicone T = Teflon (1) encapsulated Viton (1) (only in 222 and 226 sizes) V = Viton (1)

⁽¹⁾ Teflon and Viton (registered trademarks of DuPont)

Packaging and labeling for Veolia pleated filter product lines

The pleated filters are placed in individual plastic bags in branded boxes. Typically, there are 6 filters or more in a shipping box.



An example of a pleated filter label



Photo of a pleated filter individual and shipping box

Resourcing the world

