Hytrex*

FACT SHEET

Melt blown depth filter for high purity water system

Features and Benefits

- Well-suited for high purity applications with fast rinse-ups due to superior construction
- Automated packaging and manufacturing processes ensure a clean, reliable product every time
- Meets stringent requirements for most critical processes
- Pure polypropylene construction
- Wide chemical compatibility
- Combines efficiency, long, life, and purity

Applications

- High purity chemicals
- Potable water filtration
- Food and beverage
- Reverse osmosis prefiltration
- Electronics

Specifications

Table 1: Specifications and Performance Information

Ratings	1, 3, 5, 10, 20, 30, 50, 75, 100 microns (nominal)
Inner Diameter (nominal)	1 in (2.5 cm)
Outer Diameter	2.5 in (6.4 cm)
Lengths	
4 7/8 in (12.4 cm)	29 1/4 in (74.3 cm)
9 3/4 in (24.8 cm)	30 in (76.2 cm)
10 in (25.4 cm)	40 in (101.6 cm)
19 1/2 in (49.5 cm)	50 in (152.4 cm)
20 in (50.8 cm)	
Longer lengths up to 70 in may be available upon request	
Materials of Construction	
Filter Media	Polypropylene
Adapters	Polypropylene
Elastomer	Buna, EPDM, Silicone, Viton[1], Santoprene[2] (flat gasket only)
Performance Conditions	
Maximum pressure drop:	35 psid (2.4 bar) @ 77°F (25°C)
Recommended change-out pressure drop:	20 psid (1.4 bar) @ 77°F (25°C)

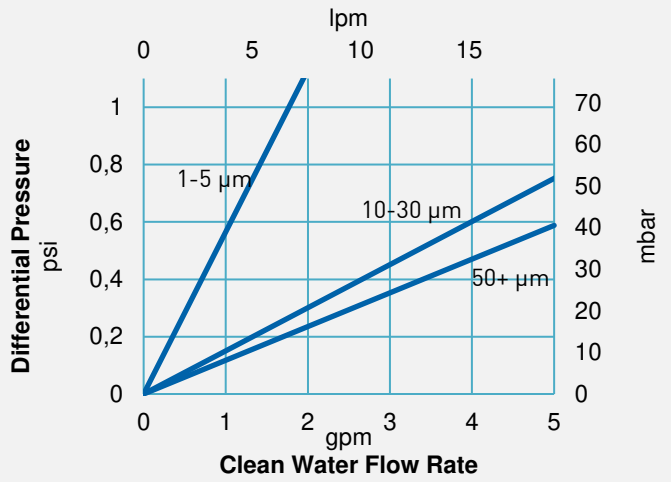
[1]Viton (trademark of The Chemours Company)

[2]Santoprene (licensed to Advanced Elastomer Systems, L.P.)

Efficiency Information

Table 2: Removal efficiency based on a modified ASTM 795 test procedure

Micron Rating	Removal rating (µm) at various efficiencies		
	90.0%	99.0%	99.9%
1 µm	*Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency [3]*		
3 µm			
5 µm			
10 µm			
20+ µm			



Graph 1: Hytrex clean water flow rate based on a 10 in length filter

Quality

Hytrex filters are manufactured under a quality management system that has been certified to meet ISO 9001 standards. Each filter is assigned a lot code to ensure traceability of the data and materials used in the manufacturing process.

Certifications

- U.S. FDA 21CFR 177.1520 food contact requirements
- Article 3 of the EU Framework Regulation No. 1935/2004/EC safety requirements
- EU Plastics Regulation No. 10/2011 (may be used as intended in all compliant EU Member states)
- USP class VI-121°C Plastics criteria
- NSF 61 criteria
- ISO 9001 criteria

Veolia filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your Veolia representative for more information.

Ordering Information

Replace the numbers with your desired values from each column. Columns 3, 4, and 5 are optional depending on the desired configuration. Use “-B” if you would like bulk packaging.

Example: GX 05-29 1/4-YYP

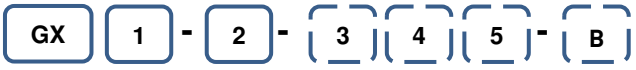


Table 3: Ordering information

	1	2	3	4	5
Type	**Micron Rating (nominal)**	**Cartridge Length**	**End #1 Adapter**	**End #2 Adapter**	**Elastomer Material**
GX	01 = 1 µm 03 = 3 µm 05 = 5 µm 10 = 10 µm 20 = 20 µm 30 = 30 µm 50 = 50 µm 75 = 75 µm 100 = 100 µm	4 7/8 in (12.4 cm) 9 3/4 in (24.8 cm) 10 in (25.4 cm) 19 1/2 in (49.5 cm) 20 in (50.8 cm) 29 1/4 in (74.3 cm) 30 in (76.2 cm) 40 in (101.6 cm) 50 in (152.4 cm) *Longer lengths up to 70 in may be available upon request*	 E = 222 O-Ring  F = 226 O-Ring  L = Extended Core  X = Standard Plain End (no gasket)  Y = Flat Gasket	 H = Fin  K = Self Seal Spring  S = Solid End  X = Standard Plain End (no gasket)  Y = Flat Gasket	B = Buna E = EPDM P = Santoprene[2] (flat gasket only) S = Silicone V = Viton[1]

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[3]Absolute-rated filters have been designed and tested to reject at least 99% of particles of the listed micron size. Nominal-rated filters have a wider distribution of pore sizes and therefore a wider distribution of rejected particle sizes. The nominal rating is primarily used to compare efficiencies across a filter family and between filter manufacturers. Efficiency is dependent on particle shape, size, composition, application, and testing protocol.

ISO 9001 registered

NSF

Veolia Water Technologies
Please contact us via:
www.veoliawatertechnologies.com