Selex*

FACT SHEET

Melt blown depth filter for general industrial use

Features and Benefits

- Absolute retention ratings for high precision filtration
- Fast rinse-up in high purity applications
- Strict quality control ensures consistent product performance and filtration quality
- Automated packaging for a clean finished product
- Wide chemical compatibility

Applications

- Micro-electronics
- Chemical process industry
- Pure water
- Food and beverage
- Metal finishing
- Potable water
- Pharmaceuticals
- Oil and gas

Specifications

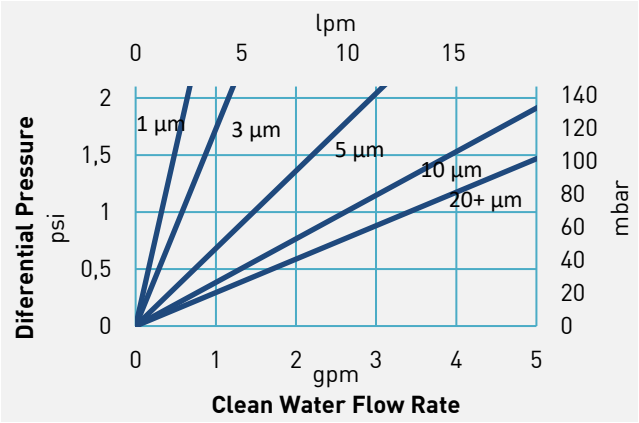
Table 1: Specifications and performance information

Ratings	1, 3, 5, 10, 20, 30 microns (absolute)	
Inner Diameter (nominal)	1.0 in (3.1 cm)	
Outer Diameter	2.5 in (7.0 cm)	
Lengths	9 3/4 in (24.8 cm) 9 7/8 in (25.1 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)
Materials of Construction	Filter Media Adapters Elastomer	Polypropylene Polypropylene 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)	

Removal Efficiency

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

		Removal rating (µm) at various efficiencies	
		90.0%	99.0%
E	1 µm	0.8	1.8
G	3 µm	1.3	3.5
D	5 µm	4.1	7.3
A	10 µm	7.0	10.0
C	20 µm	15.6	20.7
F	30 µm	20.4	28.3



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

Quality

Selex 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 food contact requirements
- 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.

Example: SXD-29 1/4-YYP

SX 1 - 2 - 3 4 5

Table 3: Ordering information

	1	2	3	4	5
Type	**Micron Rating (absolute)**	**Cartridge Length**	**End #1 Adapter**	**End #2 Adapter**	**Elastomer Material**
SX	E = 1 µm G = 3 µm D = 5 µm A = 10 µm C = 20 µm F = 30 µm	9 3/4 in (24.8 cm) 9 7/8 in (25.1 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) *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  Y = Flat gasket	B = Buna E = EPDM P = Santoprene (2) (flat gasket only) S = Silicone V = Viton (1)

(1) Viton (registered mark of DuPont)
(2) Santoprene (licensed to Advanced Elastomer Systems, L.P)

ISO 9001 registered

NSF

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