

Selex*

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)	20 in (50.8 cm)
	9 7/8 in (25.1 cm)	29 1/4 in (74.3 cm)
	10 in (25.4 cm)	30 in (76.2 cm)
	19 1/2 in (49.5 cm)	40 in (101.6 cm)
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)	

removal efficiency

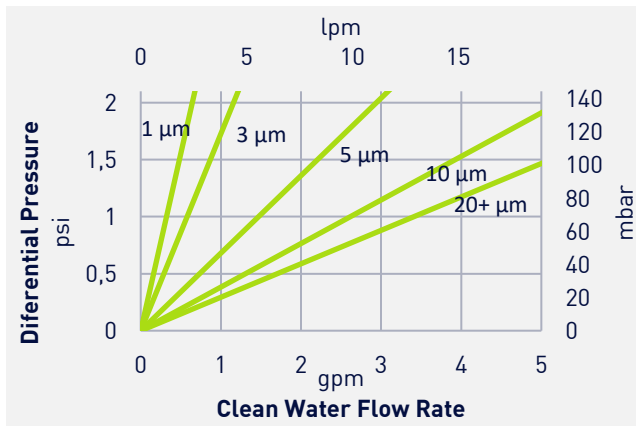
Table 2: Removal efficiency based on a modified ASTM 795 procedure

		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

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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 42 and 61 criteria
- ISO 9001 criteria

SUEZ 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 SUEZ 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



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	9 3/4 in (24.8 cm)	 E = 222 O-Ring	 H = Fin	B = Buna E = EPDM P = Santoprene ⁽²⁾ (flat gasket only) S = Silicone V = Viton ⁽¹⁾
	G = 3 μm	9 7/8 in (25.1 cm)	 F = 226 O-Ring	 K = Self Seal Spring	
	D = 5 μm	10 in (25.4 cm)	 L = Extended Core	 S = Solid End	
	A = 10 μm	19 1/2 in (49.5 cm)	 X = Standard Plain End (no gasket)	 Y = Flat gasket	
	C = 20 μm	20 in (50.8 cm)	 Y = Flat Gasket		
	F = 30 μm	29 1/4 in (74.3 cm)			
		30 in (76.2 cm)			
		40 in (101.6 cm)			
		<i>Longer lengths up to 70 in may be available upon request</i>			

⁽¹⁾ Viton is a registered mark of DuPont

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

