

# 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**

<b>Ratings</b>	1, 3, 5, 10, 20, 30 microns (absolute)	
<b>Inner Diameter (nominal)</b>	1.0 in (3.1 cm)	
<b>Outer Diameter</b>	2.5 in (7.0 cm)	
<b>Lengths</b>		
	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)
<b>Materials of Construction</b>		
Filter Media	Polypropylene	
Adapters	Polypropylene	
Elastomer	Buna, EPDM, Silicone, Viton (1), Santoprene (2) (flat gasket only)	
<b>Performance Conditions</b>		
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

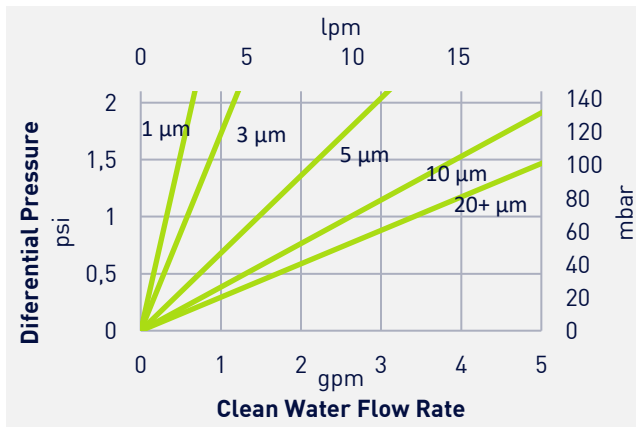
**Table 2: Removal efficiency based on a modified ASTM 795 procedure**

		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 <sup>(2)</sup> (flat gasket only) S = Silicone V = Viton <sup>(1)</sup>
	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>			

<sup>(1)</sup> Viton is a registered mark of DuPont

<sup>(2)</sup> Santoprene is licensed to Advanced Elastomer Systems, L.P.

