

Hytrex* RX

Water Technologies & Solutions fact sheet

melt blown depth filter for oil & gas applications



features and benefits

- Engineered specifically for oil and gas applications
- Combines efficiency, long life, and strength
- Continuous manufacturing process assures consistent and reliable performance
- Wide chemical compatibility
- Pure polypropylene construction
- True depth media traps particles throughout the filter

applications

- Oil and gas industry
- Hydrocarbon applications

specifications

Table 1: Specifications and performance information

Ratings	1, 3, 5, 10, 20, 30, 50, 75 microns (nominal)
Inner Diameter (nominal)	1 in (2.5 cm)
Outer Diameter	2.75 in (7.0 cm)
Lengths	36 in (91 cm)
<i>Longer lengths up to 70 in may be available upon request</i>	

Materials of Construction

Filter Media	Polypropylene
Adapters	Polypropylene
Elastomer	EPDM, Silicone, Santoprene ¹ (flat gasket only)

Performance Conditions

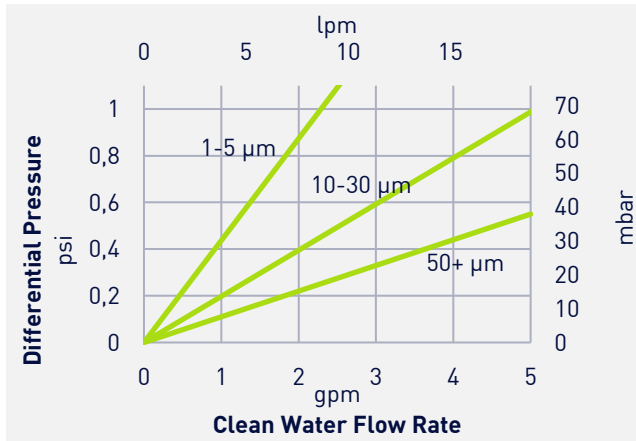
Maximum pressure drop:	35 psid (2.4 bar) @ 77°F (25°C)
Recommended change-out pressure drop:	20 psid (1.4 bar) @ 77°F (25°C)

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			
3 µm			
5 µm			
10 µm			
20+ µm			

Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency²



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

quality

Hytrex RX 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 food contact requirements
- U.S. FDA 21CFR 174.5 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 and 4 are optional depending on the desired configuration. Use “-B” if you would like bulk packaging.

Example: RX 05-336-XK



Table 3: Ordering information

Type	1 Micron Rating (nominal)	2 Cartridge Length	3 End #1 Adapter	4 End #2 Adapter	5 Elastomer Material
RX	01 = 1 µm 03 = 3 µm 05 = 5 µm 10 = 10 µm 20 = 20 µm 30 = 30 µm 50 = 50 µm 75 = 75 µm	336 = 36 in (91 cm) <i>Longer lengths up to 70 in may be available upon request</i>	X = Standard Plain End (no gasket)	K = Self Seal Spring	<i>Not available</i>

¹ Santoprene is licensed to Advanced Elastomer Systems, L.P.

² 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.



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