

# Hytrex\* RX

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**

<b>Ratings</b>	1, 3, 5, 10, 20, 30, 50, 75 microns (nominal)
<b>Inner Diameter (nominal)</b>	1 in (2.5 cm)
<b>Outer Diameter</b>	2.75 in (7.0 cm)
<b>Lengths</b>	36 in (91 cm)
<i>Longer lengths up to 70 in may be available upon request</i>	
<b>Materials of Construction</b>	
Filter Media	Polypropylene
Adapters	Polypropylene
Elastomer	EPDM, Silicone, Santoprene <sup>1</sup> (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**

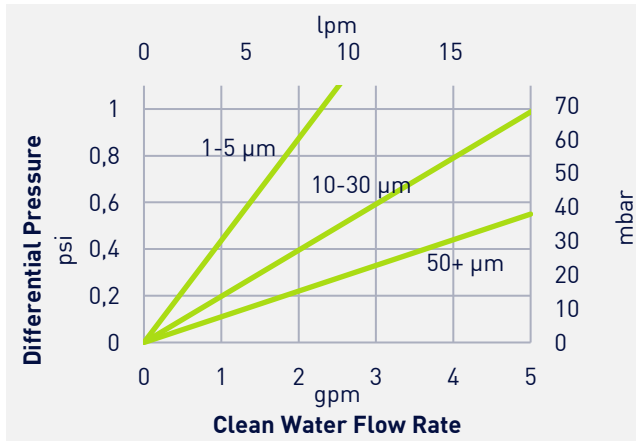
Micron Rating	Removal rating (µm) at various efficiencies		
	90.0%	99.0%	99.9%
1 µm			
3 µm			
5 µm			
10 µm			
20+ µm			

*Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency<sup>2</sup>*

Find a contact near you by visiting [www.suezwatertechnologies.com](http://www.suezwatertechnologies.com) and clicking on "Contact Us."

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**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**

	1	2	3	4	5
Type	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	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>

<sup>1</sup> Santoprene is licensed to Advanced Elastomer Systems, L.P.

<sup>2</sup> 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.

