



Hardy Filtration

Integrated filtration solutions: air, water & oil



Depth Filter Cartridge

PURTREX

Description

Longer Life & Fewer Changeouts

Osmonics has extended its patented blown micro fibers technology to meet the market requirement for a pure polypropylene depth filter with exceptional dirt-holding capability. This translates to longer life and fewer changeouts than existing string-wound or resin-bonded filters. The resulting product, Purtrex, is an exceptional value for general applications where long-life, high purity and low changeout frequency is required.



High Dirt-Holding Capacity

- » True-graded density captures particles throughout entire filter depth.
- » High dirt-holding capacity means longer life and fewer changeouts which translates to money saved.
- » Low density at the surface of the filter with progressively higher density towards the center.
- » No surface blinding, which reduce flow and increases filter changeouts.

Pure Polypropylene Construction

- » Thermally bonded micro fibers.
- » Contains no wetting agent, solvents, antistatic agents or binders.
- » Wide chemical compatibility.
- » Incinerates to trace ash for easy disposal.
- » Meets the requirements of the FDA for food and beverage contact.
- » No leachables or extractables.

Proven Manufacturing Process

- » Automated, consistent manufacturing process assures reliable performance and repeatable results.
- » Thermal and vacuum finishing procedures eliminate potential manufacturing debris.

Wide Range of Lengths and Adapters

- » Standard lengths fit most housings - custom lengths can also be provided.
- » Wide range of polypropylene end-adapters including gaskets, extended cores and Osmonics® patented self-seal polypropylene springs.

Market served

Food and Beverage
Fine Chemicals
Pulp and Paper

Pre-Reverse
Electronics

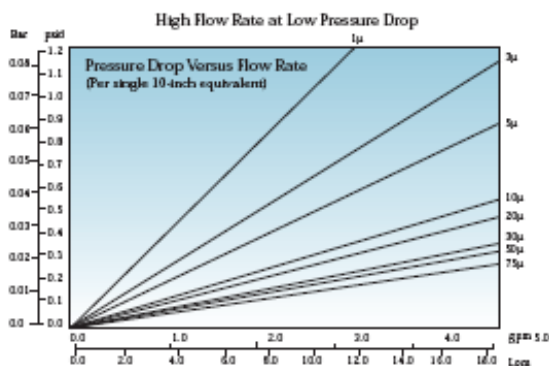
Oil and Gas
Metal Finishing

Product & Order Information

If you are ordering Purtrex filters with standard ends (with no adapter on either end), select one boldface designation from each of the first three columns. Your product order number will look like this: PX05-29-1/4. If you are ordering Purtrex with one or more end adapters, select boldface designations from six columns. Your product order number will look like this: PX05-29-1/4YYP or PX05-29-1/4XX.

Product Name	Micron Rating	Cartridge Length	End 1 Adapter	End 2 Adapter	Gasket Material
PX =	01 = 1	9 3/4 (24.8)	Y = 1 inch Open End Gasket	Y = 1 inch Open End Gasket	P = Santoprene¹ (Gasket Only)
I.D. = 1 inch (2.5 cm)	03 = 3	9 7/8 (25.1)	L = Extended Core	K = Self Seal Spring	O-Rings
O.D. = 2 1/2 inch (6.4 cm)	05 = 5	10 (25.4)	E = 222 O-Ring	H = Fin	S = Silicone
	10 = 10	19 1/2 (49.5)	X = Standard Purtrex Plain End	S = Solid End	E = EPDM
	20 = 20	20 (50.8)			
	30 = 30	29 1/4 (74.3)			
	50 = 50	30 (76.2)			
	75 = 75	40 (101.6)			
		50 (127.0)			

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



U.S. Patent Numbers 3,904,798 3,801,400 and 4,442,004.
All end adapters meet the requirements of Title 21 CFR 174.5 and 177.1520. Gaskets meet the requirements of Title 21 CFR 177.1210 and 177.2600.

Hardy Filtration Inc. reserves the right to make changes without notice.