

## Purtrex™ Depth Filter

### Longer Life & Fewer Changeouts

Osmonics has extended its patented\* blown microfiber technology to meet the market requirements 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
- Lower density at the surface of the filter with progressively higher density towards the center
- No surface blinding, which reduces flow and increases filter changeouts

### Pure Polypropylene Construction

- Thermally bonded microfibers
- Contains no wetting agents, 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

### Markets Served

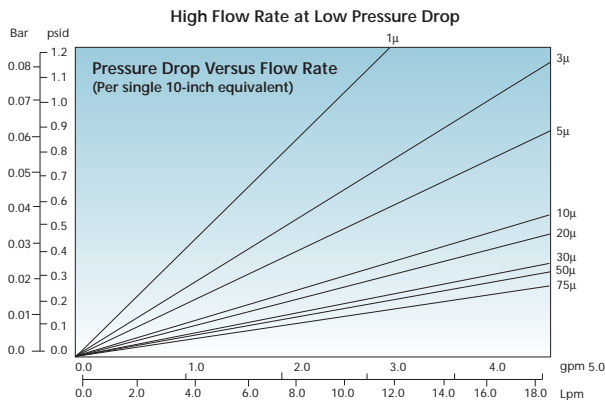
- Food and Beverage
- Pre-Reverse Osmosis
- Oil and Gas
- Fine Chemicals
- Electronics
- Metal Finishing
- Pulp and Paper

## Product & Ordering 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: **PX05-29-1/4 YYP or PX05-29-1/4 XK**

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

Stanoprene 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.

### Material and FDA Compliance

Purtrex cartridge filters are made from thermally-welded blown microfibers of polypropylene. No additives, resin binders, lubricants, anti-static or release agents are used in the manufacturing of Hytrex large diameter cartridge filters. Osmonics certifies that the filter material meets the requirements of the Food and Drug Administration (FDA) Title 21 of The Code of Federal Regulations 174.5 and 177.1520.

### Important Notice To User:

The following is made in lieu of all other warranties expressed or implied. Manufacturer's and Seller's only obligation shall be to issue credit against the purchase or replacement of the product proved to be defective in material or workmanship. Neither Manufacturer nor Seller shall be liable for any injury, loss or damage, direct or indirect, special or consequential, arising out of the use of, misuse, or the inability to use such product. The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill at their discretion and risk. Since conditions of use are outside Osmonics' control, we can assume no liability whatsoever for results obtained or damages incurred through the application of the data presented. This information is not intended as a license to operate under, or a recommendation to infringe upon, any patent of Osmonics or others covering any material or use. The foregoing may not be altered except by a written agreement signed by officers of the Manufacturer.

Call (952) 933-2277 for additional information, (800) 848-1750 in the U.S., or visit [www.osmonics.com](http://www.osmonics.com)



# OSMONICS

### Corporate Headquarters

5951 Clearwater Drive  
Minnetonka, MN  
55343-8995  
USA  
(952) 933-2277 Phone  
(952) 933-0141 Fax

### North America Sales

5951 Clearwater Drive  
Minnetonka, MN  
55343-8995  
USA  
(952) 933-2277 Phone  
(952) 933-0141 Fax

### Euro/Africa Sales

230 rue Robert Schuman  
ZA des Uselles  
F-77350 Le Mée sur Seine  
FRANCE  
+33 1 64 10 2000 Phone  
+33 1 64 10 3747 Fax

### Asia/Pacific Sales

1044/8 SOI 44/2  
Sukhumvit Road Prakanong  
Bangkok 10110  
THAILAND  
+66 2 38 14213 Phone  
+66 2 39 18183 Fax