



Filtration and Separations Group

NOW NSF 42 CERTIFIED

Purtrex™ Depth Filter

Longer Life & Fewer Chang-outs

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 change-outs than existing string-wound or resin-bonded filters. The resulting product, Purtrex depth filter, is an exceptional value for general applications where long life, high purity and low change-out 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 change-outs that translate 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 change-outs

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

Purtrex depth filter is an exceptional value for general applications where long life, high purity and low change-out frequency are required.

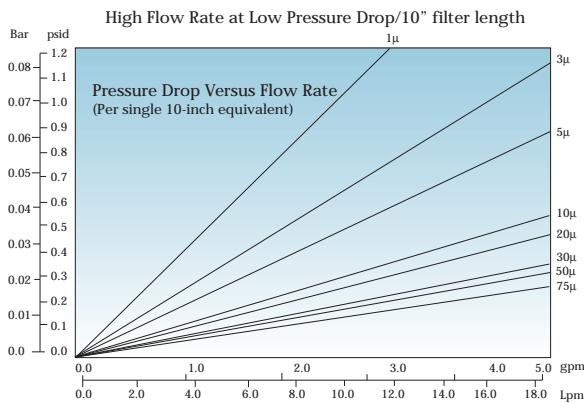


Product & Ordering Information

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 |
|--------------|---|--|---|---|--|
| PX | 01 = 1 03 = 3 05 = 5 10 = 10 20 = 20 30 = 30 50 = 50 75 = 75 | Inches (cm) 9 3/4 (24.8) 9 7/8 (25.1) 10 (25.4) 19 1/2 (49.5) 20 (50.8) 29 1/4 (74.3) 30 (76.2) 40 (101.6) 50 (127.0) | Y = 1 inch Open End Gasket L = Extended Core E = 222 O-Ring X = Standard Purtrex Plain End | Y = 1 inch Open End Gasket K = Self Seal Spring H = Fin S = Solid End X = Standard Purtrex Plain | Gasket P = Santoprene* O-Rings S = Silicone E = EPDM |

* Santoprene is licensed to Advanced Elastomert Systems, L.P.



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.

Internal diameter is 1 inch (2.5 cm)
Outer diameter is 2.5 inch (6.4 cm)

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.

For More Information:

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This Purtrex™ filter is
Tested and Certified by NSF
International against
ANSI/NSF Standard 42
for material requirements only.