



**GE Osmonics**



# Purtrex™ Depth Cartridge Filters

## ■ Features and Benefits

The Purtrex depth filter is an exceptional value for general applications where long life, high purity and low change-out frequency are required. Produced through GE Osmonics' patented melt blown microfiber technology, Purtrex is a 100% pure polypropylene depth filter with exceptional dirt-holding capacity.

Purtrex' true-graded density filter matrix (lower density at the surface of the filter with progressively higher density toward the center) captures particles throughout the entire filter depth. This translates to longer life and fewer change-outs than existing string-wound or resin-bonded filters.

Purtrex contains no wetting agents, solvents, antistatic agents or binders, and meets the requirements of the FDA for food and beverage contact. The filter incinerates to trace ash for easy disposal.

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## ■ Applications

- Potable water filtration
- Chemical filtration - wide chemical compatibility
- Plating baths
- Amine Filtration
- Meets FDA compliance for food and beverage contact

## ■ Available Micron Ratings

1, 3, 5, 10, 20, 30, 50, and 75 microns

## ■ Materials of Construction

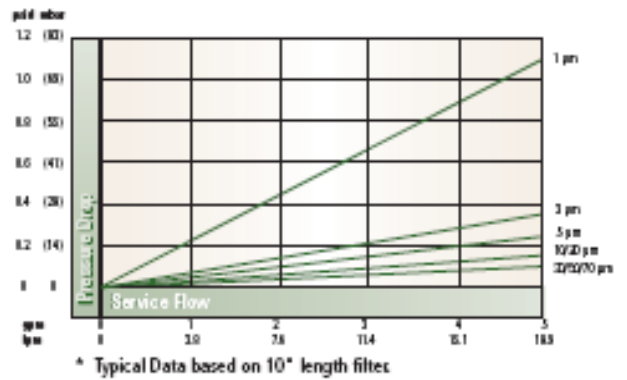
- Filtration Media.....Polypropylene
- Endcaps and Adapters .....Polypropylene

## ■ Dimensions

Nominal Outside Diameter	2.50 inch (6.4 cm)
Nominal Inside Diameter	1 inch (2.5 cm)

## Purtrex Depth Filter

### Flow Performance in Clean Water\*



### Additional Information

Purtrex Depth cartridge filters are made from thermally-bonded fibers of polypropylene. GE Osmonics certifies that it uses no resin binders, lubricants, antistatic or release agents or other additives in the manufacture of these cartridges, and that the resin used for manufacturing the filter media meets the food contact requirements of the U.S. FDA 21 CFR regulations. When required, specify only FDA compliant sealing materials and end adapters.

GE Osmonics 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 GE Osmonics distributor for more information.

### Ordering Information

To configure a standard Purtrex filter with no adapters on either end, select one item from each of the first three columns. Your model number may look like this: PX05-29 1/4

To order Purtrex filters with end adapters, add one item from the last 2 columns to your filter selections (use all 6 columns). Your model number may look like this: PX05-29 1/4 YYP (see example below) or PX05-29 1/4 XK

Type	Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
PX	01 = 1 µm	9 3/4 in (24.8 cm)	Y = 1 inch (25.4cm)	Y = 1 inch (25.4cm)	Gasket P = Santoprene*
	03 = 3 µm	9 7/8 in (25.1 cm)	Open End Gasket	Open End Gasket	
	05 = 5 µm	10 in (25.4 cm)	L = Extended Core	K = Self Seal Spring	O-Rings S = Silicone E = EPDM
	10 = 10 µm	19 1/8 in (49.5 cm)	E = 222 O-Ring	H = Fin Adapter	
	20 = 20 µm	20 in (50.8 cm)	X = Standard	S = Solid End	
	30 = 30 µm	29 1/4 in (74.3 cm)	Plain End		
	50 = 50 µm	30 in (76 cm)			
	75 = 75 µm	40 in (102 cm)			
	50 in (127 cm)				

\* Santoprene is licensed to Advanced Elastomer Systems, LP



These Purtrax Depth Filter Cartridges are tested and certified by NSF International against ANSI/NSF Standard 42 for material requirements only.

Component

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**Filtec Vandteknik** Hovedgaden 498 2640 Hedehusene ☎ 70202626 Fax 46595228  
[filtec@e-mail.dk](mailto:filtec@e-mail.dk) [www.filtec.dk](http://www.filtec.dk) se.nr. 12990677 giro konto nr. 0280429