

# Hytrex\*

## Depth Cartridge Filters



Figure 1: Hytrex Depth Cartridge Filters

### Description and Use

The purity and reliability of Hytrex cartridge filters (Figure 1) ensure consistent results, time after time. Thermally bonded micro fibers create a strong secure cartridge that traps particles throughout its depth. Hytrex combines efficiency, long life and purity to create a high performance depth filter.

- Pure polypropylene construction
- Fast rinse-up in high purity applications
- Meets the requirement of the FDA Title 21 of the Code of Federal Regulations 174.5 and relevant subparts of 177
- Wide chemical compatibility
- Automated packaging for a clean finished product
- NSF Standard 42 certified

### Typical Applications

- High Purity Chemicals
- Bottled Water

- Pre-treatment for Reverse Osmosis
- Oil & Gas
- Electronics

### Consistent Performance

Patented, continuous process assures consistent product performance. Lot-to-lot, order-to-order, strict quality control assures repeatability. Tables 1 and 2 give greater detail of the high flow rate at low pressure drop for the various sizes of Hytrex filters.

Table 1: High Flow Rate at Low Pressure Drop<sup>1</sup>

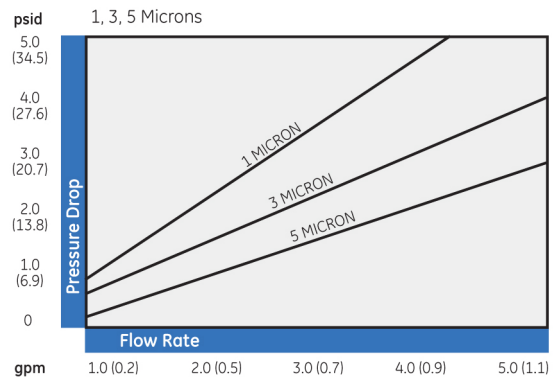
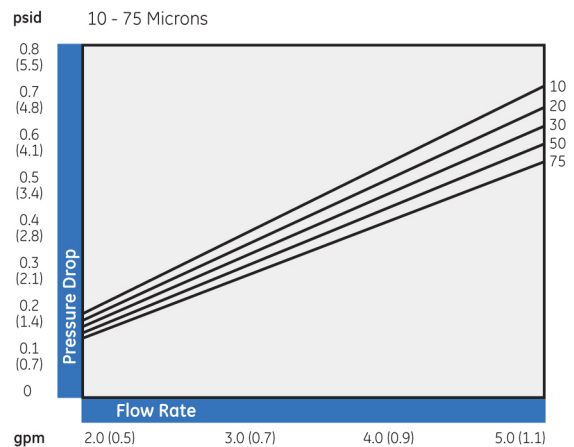


Table 2: High Flow Rate at Low Pressure Drop<sup>1</sup>



<sup>1</sup> Data based on 10" length filter with clean water.



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## 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 toward the center
- No surface blinding, which reduces flow and increases filter changeouts

## Wide Range of Lengths & Adapters

- Standard lengths fit most housings—custom lengths can also be provided
- Wide range of polypropylene end-adapters including gaskets, extended cores and
- GE Water & Process Technologies patented self-seal polypropylene springs
- If required, specify FDA-compliant sealing materials and end adapters
- Table 3 details specific ordering information.

**Table 3: Ordering Information**

If you are ordering Hytrex filters with standard ends (with no adapter on either end), select one designation from each of the first three columns. Your Product Order Number will look like this: GX05-29 1/4. If you are ordering Hytrex with one or more end adapters, select designations from all applicable columns. Your Product Order Number will look like this: GX05-29 1/4 YYP or GX05-29 1/4 XK

	GX	05	29 1/4	Y	Y	P
Product Name	Micron Rating	Cartridge Length	End 1 Chapter	End 2 Chapter	Gasket Material	
GX	01 = 1 03 = 3 05 = 5 10 = 10 20 = 20 30 = 30 50 = 50 75 = 75	4 7/8 inch (12.4) cm 9 3/4 inch (24.8) cm 9 7/8 inch (25.1) cm 10 inch (25.4) cm 19 1/2 inch (49.5) cm 20 inch (50.8) cm 29 1/4 inch (74.3) cm 30 inch (76.2) cm 40 inch (101.6) cm 50 inch (127.0) cm	Y = 1 inch Open End Gasket L = Extended Core E = 222 O-Ring X = Standard Hytrex Plain End (No Gasket)	Y = 1 inch Open End Gasket K = Self Seal Spring H = Fin S = Solid End X = Standard Hytrex Plain End (No Gasket)	P = Santoprene <sup>2</sup> (Gasket Only)  <b>O-Rings</b> S = Silicone E = EPDM V = Viton <sup>3</sup> B = BUNA	
I.D. - 1 inch (2.5 cm)						
I.D. - 2 1/2 inch (6.4 cm)						

<sup>2</sup> Santoprene is a registered trademark of Advanced Elastomer Systems, L.P. <sup>3</sup> Viton is a registered trademark of DuPont.

## Material and FDA Compliance

Hytrex cartridge filters are made from thermally-welded blown microfibers of polypropylene. GE certifies that the resin used for manufacturing the filter media of this product meets the requirements of the Food and Drug Administration (FDA) Title 21 of the Code of Federal Regulations (CFR) 174.5 and relevant subparts of 177. If required, specify FDA-compliant sealing materials and end adapters.

## Important Notice To User

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