

# Muni.Z Depth Cartridge Filters

## Z.Plex\* Technology Depth Filter for Municipal Water Pre-Filtration

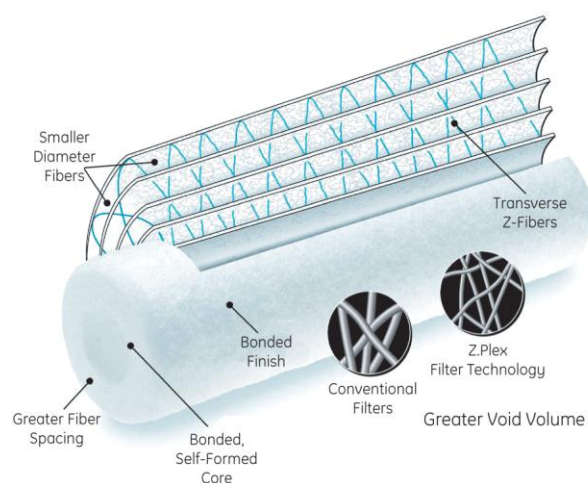


Figure 1: Z.Plex Filter Technology

### Description and Use

Muni.Z is manufactured using patented Z.Plex filter technology (Figure 1) and is engineered for municipal water pre-filtration. Muni.Zs' proprietary filter matrix provides unmatched performance in these applications.

- Up to twice the life of conventional depth filters
- Up to 50% lower pressure drop
- Up to 100% greater dirt holding capacity
- Superior SDI reduction
- Melt-bonded exterior and core ensures no media migration
- Provides lower total cost of filtration operations
- Application in wide variety of feed waters
- NSF 61 certified, FDA compliant

### Typical Applications

Municipal water systems pre-filtration.

### General Properties

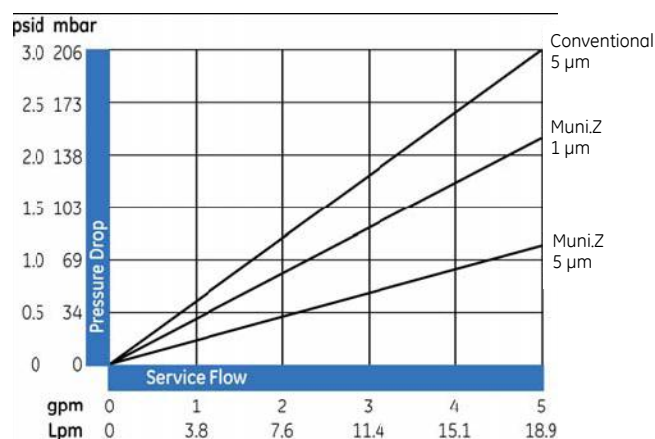
#### Materials of Construction

Muni.Z filters are made of 100% polypropylene construction. Tables 1 and 2 provide information on dimensions and flow performance.

Table 1: Dimensions

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

Table 2: Muni.Z 1 and 5 micron vs. Conventional 5 micron Flow Performance in Clean Water<sup>1</sup>



<sup>1</sup> Data based on 10" length filter

#### Micron Ratings, Lengths and End Adapters

- Micron ratings: 1 and 5 micron
- Standard lengths fit most housings - custom lengths are also available
- Wide range of end adapters including self-sealing spring, 222 and 226 O-rings, and extended cores.



Find a contact near you by visiting [www.ge.com/water](http://www.ge.com/water) and clicking on "Contact Us".

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## Additional Information

Muni.Z cartridge filters are made from thermally bonded fibers of polypropylene. GE certifies that it uses no resin binders, lubricants, antistatic or release agents, in the manufacture of these filter cartridges. The resin used for manufacturing the filter media meet the food contact requirements of the U.S. FDA 21CFR 177.1520. Muni.Z cartridge filters meet the safety requirements of Article 3 of the EU Framework Regulation No. 1935/2004/EC and may be used as intended in all of the EU Member states in full compliance with the EU Plastics Regulation No. 10/2011. Muni.Z cartridge filters meet the criteria for USP class VI-121°C Plastics.

GE 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 representative for more information.

If you are ordering Muni.Z 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: Muni.Zs 05-40. If you are ordering Muni.Zs with end adapters, select designations from all applicable columns. Your Product Order Number will look like this: Muni.Zs 05-40 XK.

**Table 3: Ordering Information**

Type	Micron Rating, mm	Cartridge Length inches (cm)	End #1 Adapter	End #2 Adapter	Material
Muni.Z	01 = 1 05 = 5	29 ¼ (74.3) 30 (76.2) 39 (99.1) 40 (101.6)	L = Extended Core E = 222 O-Ring F = 226 O-Ring X = Standard Muni.Z plain end (no gasket) Y = Flat Gasket	K = Self Seal Spring H = Fin S = Solid End X = Standard Muni.Z (no gasket) Y = Flat gasket	O-Rings S = Silicone E = EPDM V = Viton <sup>2</sup> B = Buna P = Santoprene <sup>3</sup> (flat gasket only)

<sup>2</sup> Viton is a registered mark of DuPont

<sup>3</sup> Santoprene is licensed to Advanced Elastomer Systems, L.P.

