

ROSave.Z* Depth Cartridge Filters

For Reverse Osmosis Pretreatment Using Z.Plex* Technology

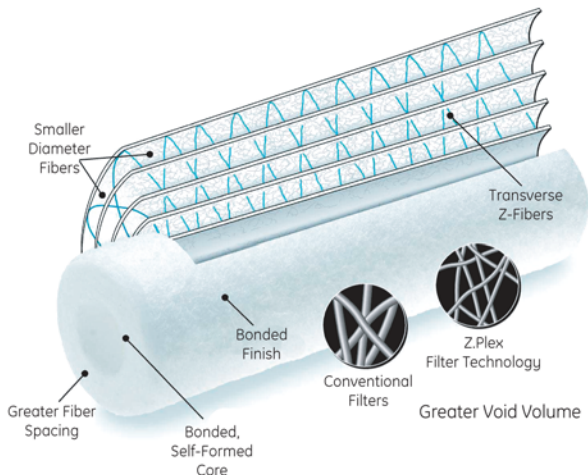


Figure 1: Z.Plex Filter Technology

Description and Use

ROSave.Z is manufactured using patent pending Z.Plex filter technology (Figure 1) and is engineered for reverse osmosis pretreatment and other pure water applications. ROSave.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 ensures no media migration
- Provides lower total cost of filtration operations
- NSF 42 certified, FDA compliant

Typical Applications

Reverse osmosis pretreatment in industries including:

- Bottled water
- Beverage
- Electronics

General Properties

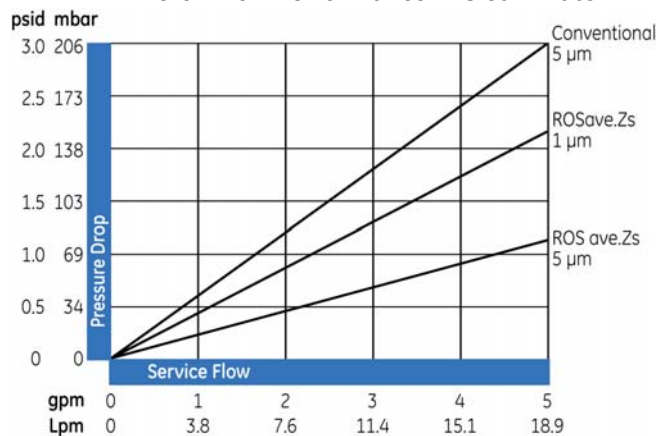
Materials of Construction

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

Table 1: Dimensions

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

Table 2: ROSave.Z 1 and 5 micron vs. Conventional 5 micron Flow Performance in Clean Water¹



¹ Data based on 10" length filter



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Micron Ratings, Lengths and End Adapters

- Micron ratings: 1 and 5 micron nominal
- 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.

Additional Information

ROSave.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. ROSave.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. ROSave.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.

The ROSave.Z element is tested and certified by NSF International against NSF/ANSI Standard 61 for material requirements only.

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

Table 4: Ordering Information

Type	Micron Rating, mm	Cartridge Length, Inches (cm)	End #1 Adapter	End #2 Adapter	Material
RO.Zs	01 = 1	9 ¾ (24.8)	L = Extended Core	K = Self seal spring	O-Rings
	05 = 5	9 7/8 (25.4)	E = 222 O-Ring	H = Fin	S = Silicone
I.D. - 1.0		10 (25.4)	F = 226 O-Ring	S = Solid End	E = EPDM
O.D. - 2.5		19 ½ (49.5)	X = Standard ROSave.Zs plain end (non gasket)	X = Standard ROSave.Zs (no gasket)	V = Viton2
		20 (50.8)	Y = Flat Gasket	Y = Flat Gasket	B = Buna
		29 ¼ (74.3)			P = Santoprene (flat gasket only)
		30 (76.2)			
		40 (101.6)			

