**ROSave.Z** depth cartridge filters

for reverse osmosis pretreatment using Z.Plex technology

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**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**

<table>
<thead>
<tr>
<th>Nominal Outside Diameter</th>
<th>Nominal Inside Diameter</th>
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<tbody>
<tr>
<td>2.5” (6.4 cm)</td>
<td>1” (2.5 cm)</td>
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</table>

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

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. SUEZ 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.

Table 4: Ordering Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Micron Rating, mm</th>
<th>Cartridge Length, Inches (cm)</th>
<th>End #1 Adapter</th>
<th>End #2 Adapter</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO.Zs</td>
<td>01 = 1 05 = 5</td>
<td>9 ¼ (24.8) 9 7/8 (25.4) 10 (25.4) 19 ½ (49.5) 20 (50.8) 29 ¼ (74.3) 30 (76.2) 40 (101.6)</td>
<td>L = Extended Core E = 222 O-Ring F = 226 O-Ring X = Standard ROSave.Zs plain end (non gasket) Y = Flat Gasket</td>
<td>K = Self seal spring H = Fin S = Solid End X = Standard ROSave.Zs (no gasket) Y = Flat Gasket</td>
<td>O-Rings S = Silicone E = EPDM V = Viton¹ B = Buna P = Santoprene¹ (flat gasket only)</td>
</tr>
</tbody>
</table>

¹ Viton is a registered trademark of DuPont. ² Santoprene is licensed to Advanced Elastomer Systems, L.P.