

ROSave.Z*

FACT SHEET

WATER TECHNOLOGIES



Z.Plex* technology depth filter for maximum operational life



Features and Benefits

- Engineered specifically for reverse osmosis pretreatment and suitable for many pure water applications
- Depth filter traps particles throughout the media
- True depth media offers longer filter lifetime
- Very low pressure drop and flow resistance
- Thermally bonded construction and melt-bonded end adaption

Applications

- Reverse osmosis pre-filtration for Veolia RO systems and universal equipment
- Beverage
- Electronics
- Pre/post DI or active carbon

Specifications

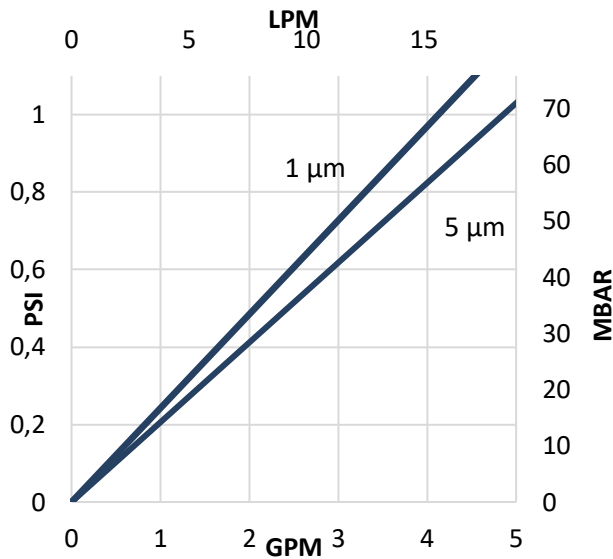
Table 1: Specifications and performance information

Ratings	1, 5 microns (nominal)
Inner Diameter (nominal)	1 in (2.5 cm)
Outer Diameter	2.5 in (6.4 cm)
Lengths	See Table 3: ordering information
Materials of Construction	
Filter Media	Polypropylene
Adapters	Polypropylene
Elastomer	Buna, EPDM, Silicone, Viton ¹ , Santoprene ² (Bonded gasket only)
Performance Conditions	
Flow:	Exterior to Interior
Maximum pressure drop:	35 psid (2.4 bar) @ 77°F (25°C)
Recommended change-out pressure drop:	20 psid (1.4 bar) @ 77°F (25°C)

Efficiency Information

Table 2: Removal efficiency based on a modified ASTM 795 test procedure

Micron Rating	Removal rating (μm) at various efficiencies		
	90.0%	99.0%	99.9%
1 μm	<i>Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency³</i>		
5 μm			



Graph 1: ROSave.Z clean water flow rate based on a 10 in length filter

Quality

ROSave.Z filters are manufactured under a quality management system. Each filter case has a packaging code that enables tracing of the filters to a production date and shift.

Table 3: Ordering information

	1	2	3	4	5
Type	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material ⁴
RO.Zs	01 = 1 µm	9 3/4 in (24.8 cm)	X = Standard open end (no gasket) E = 222 O-Ring F = 226 O-Ring L = Extended core	X = Standard open end (no gasket) H = Fin K = Self seal spring S = Solid end	B = Buna E = EPDM S = Silicone V = Viton ¹
	05 = 5 µm	9 7/8 in (25.1 cm) 10 in (25.4 cm) 19 1/2 in. (49.5 cm) 20 in (50.8 cm) 29 1/4 in. (74.3 cm) 30 in. (76.2 cm) 40 in. (101.6 cm)			

¹Viton (trademark of The Chemours Company)

²Santoprene (licensed to Advanced Elastomer Systems, L.P.)

³Absolute-rated filters have been designed and tested to reject at least 99% of particles of the listed micron size. Nominal-rated filters have a wider distribution of pore sizes and therefore a wider distribution of rejected particle sizes. The nominal rating is primarily used to compare efficiencies across a filter family and between filter manufacturers. Efficiency is dependent on particle shape, size, composition, application, and testing protocol.

⁴Elastomers (B,E,S,V) Meet FDA 21 CFR 177.2600. Filter products that include elastomers meet NSF61

Filter Media Certifications

- U.S. FDA 21CFR 177.1520⁴
- EU Framework Regulation No. 1935/2004/EC
- EU Plastics Regulation No. 10/2011
- USP class VI-121°C Plastics criteria
- NSF 61 certification⁴
- ISO 9001:2015 certified processes

Veolia 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 Veolia representative for more information.

Ordering Information

Replace the numbers with your desired values from each column. Columns 3, 4, and 5 are optional depending on the desired configuration. Omit columns 3 and 4 if code is XX. Use “-B” at the end for bulk packaging.

Example: RO.Zs 05-40-XK-B

