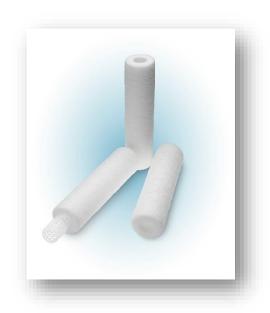


LENNIECH WATER TREATMENT Solutions

SWRO.Zs

Water Technologies & Solutions fact sheet

Z.Plex* technology depth filter for seawater reverse osmosis pre-filtration



features and benefits

- Engineered specifically for seawater reverse osmosis pretreatment
- Depth filter traps particles throughout as opposed to string wound filters
- True graded density offers longer filter lifetime
- Very low pressure drop and flow resistance
- Melt-bonded exterior ensures no media migration

applications

 Seawater reverse osmosis pre-filtration for SUEZ RO systems and universal equipment

specifications

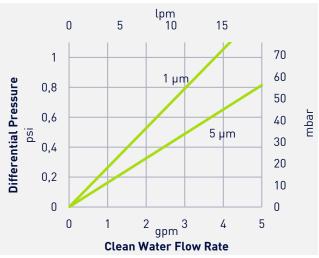
Table 1: Specifications and performance information

Ratings		1, 5 microns (nominal) 1 in (2.5 cm)			
Inner Diameter (nominal)	•				
Outer Diameter	available u		2.46 in (6.2 cm) 2.36 in (6.0 cm)		
Lengths		,	•		
40 in	(101.6 cm)		60 in (152.4 cm)		
50 in	(127.0 cm)		70 in (177.8 cm)		
Longer lengths up to 70 in may be available upon request					
Materials of Co	nstruction				
Filter Media			Polypropylene		
	Adapters		Polypropylene		
	Elastomer	Vito	EPDM, Silicone, n¹, Santoprene² lat gasket only)		
Performance C	onditions				
Maximum pres	sure drop:				
	35	psid (2.4 baı	-) a 77°F (25°C)		
Recommended	change-out p	ressure drop	:		
	20) psid (1.4 baı	-) a 77°F (25°C)		

efficiency information

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

Micron Rating	Removal rating (µm) at various efficiencies				
Katiliy	90.0%	99.0%	99.9%		
1 µm	Efficiency of nominal filters varies by application. See note for information on nominal filter				
E					
5 μm	efficiency ³				



Graph 1: SWRO.Zs clean water flow rate based on a 10 in length filter

quality

SWRO.Zs filters are manufactured under a quality management system that has been certified to meet ISO 9001 standards. Each filter is assigned a lot code to ensure traceability of the data and materials used in the manufacturing process.

certifications

- U.S. FDA 21CFR 177.1520 food contact requirements
- Article 3 of the EU Framework Regulation No. 1935/2004/EC safety requirements
- EU Plastics Regulation No. 10/2011 (may be used as intended in all compliant EU Member states)
- USP class VI-121'C Plastics criteria
- NSF 61 criteria
- ISO 9001 criteria

SUEZ 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 SUEZ 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.

Example: SWR0.Zs 05-40-XK



Table 3: Ordering information

	1	2	3	4	5
Туре	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
	01 = 1 μm 05 = 5 μm	40 in (101.6 cm) 50 in (127.0 cm)	E = 222 O-Ring	H = Fin	B = Buna E = EPDM
		60 in (152.4 cm) 70 in (177.8 cm)	F = 226 O-Ring	K = Self Seal Spring	P = Santoprene ² (flat gasket only)
		Longer lengths up to 70 in may be	L = Extended Core	S = Solid End	S = Silicone V = Viton ¹
		available upon request	X = Standard Plain End (no gas- ket)	X = Standard Plain End (no gasket)	
			Y = Flat Gasket	Y = Flat gasket	

¹Viton is a registered mark of DuPont

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.



²Santoprene is licensed to Advanced Elastomer Systems, L.P.