

4" Reverse Osmosis Membrane



RE2540-BLF Brackish Water
Ultra-low pressure - Low TDS



REVERSE OSMOSIS COMPONENTS

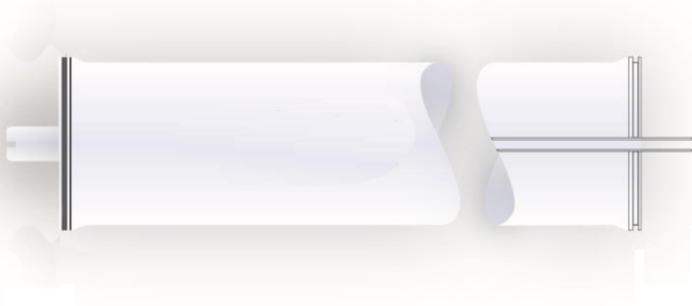
4" REVERSE OSMOSIS MEMBRANE

RE2540-BLF BRACKISH WATER

- Permeate flow rate 3.5 m³/day (930 gpd)
- Salt rejection 99.2 % (Min. 99%)
- Applied pressure 7 bar (100 psig)

*Permeate flow rate and salt rejection based on the following test conditions :
500 ppm NaCl, 7bar (100 psig), 25°C (77°F), pH 6.5-7.0 and 15% recovery.

*Permeate flow rates for individual elements may vary but will be no more than 15%.



APPLICATIONS

The RE2540-BLF is designed to treat low TDS water at an Ultra low pressure.



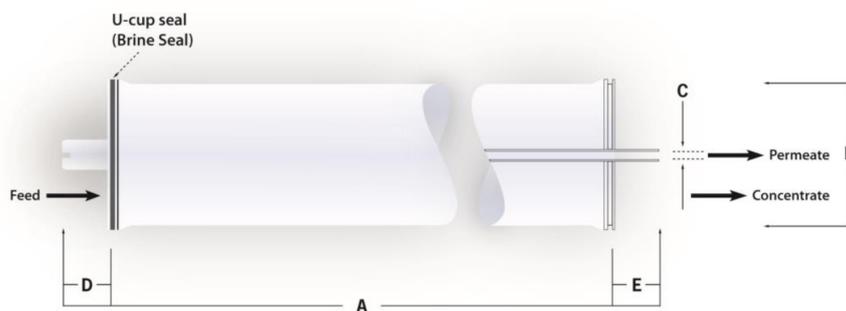
RE2540-BLF Reverse osmosis membrane

PRODUCT SPECIFICATIONS

Membrane type	Spiral wound polyamide thin-film composite membrane, FRP wrapping
Feed spacer	28 mil
Membrane area	2.5 m ² (27 ft ²)
Maximum operating temperature	45°C - 113°F
Maximum operating pressure	41 bar – 600 psi
Maximum pressure drop / Element	1.0 bar - 15 psi
Maximum pressure drop / 240" vessel	4.1 bar - 60 psi
pH range continuous operation	2 to 11
pH range short term cleaning	1 to 13
Maximum turbidity	1.0 NTU
Maximum feed Silt Density Index	SDI 5
Free chlorine concentration	< 0.1 ppm

DIMENSIONS

	mm	inches
A	1016	40.0
B	26.7	1.05
C	19	0.75
D	26.7	1.05
E	26.7	1.05



* each membrane element is supplied with one brine seal, one interconnector (coupler) and four O-rings.

* the RE2540 fit nominal 27 mm (2.5 inch) I.D. pressure vessels

* the elements are vacuum sealed in a polyethylene bag containing 1.0% sodium bisulfite solution and are individually packaged in a cardboard.

RECOMMENDATIONS

- Elements contained in the boxes must be kept dry at room temperature (7–32°C; 40–95°F) and should not be stored in direct sunlight. If the polyethylene bag is damaged, a new preservative solution (sodium bisulfite) must be added and airtight sealed to prevent drying and biological growth.

- Permeate from the first hour of operation should be discarded to flush out the preservative solution.

- Elements should be immersed in a preservative solution during storage, shipping and system shutdowns to prevent biological growth and freezing. The standard storage solution contains 1% by weight sodium bisulfite or sodium metabisulfite (food grade). For short term storage (i.e. one week or less) 1% by weight sodium metabisulfite solution is adequate for preventing biological growth.

- Keep elements moist at all times after initial wetting.

- Avoid excessive pressure and flow spikes.

- Only use chemicals compatible with the membrane elements and components. Use of such chemicals may void the element limited warranty.

- Permeate pressure must always be equal or less than the feed/concentrate pressure. Damage caused by permeate back pressure voids the element limited warranty.



ADH2OC INDUSTRIAL
 Headquarters
 3, Rue Kercoz
 22 220 TRÉGUIER - FRANCE
 Tel +33 (0)2 96 40 02 50
 Fax +33 (0)2 22 44 98 48
 www.adh2oc-industrial.com

Workshop
 Lieudit «La Vallée Drouard»
 28500 CHÉRISY - FRANCE
 Tel +33 (0)2 37 50 20 79
 Fax +33 (0)2 22 44 98 48
 e-mail : infos@adh2oc-industrial.com