

PRODUCT FACT SHEET

Ecomembrane recovered from the product Filmtec BW30XFR-400/34i

Description:

Reverse osmosis Ecomembrane for brackish water treatment that has been regenerated using proprietary, sustainable technology. This membrane's lifespan has been extended, and as a result, each unit put into service prevents the emission of 93 kg of CO_{2-e} into the atmosphere resulting from its manufacturing and prevents 15 kg of various plastics from being disposed to landfills.

The resulting technical specifications are detailed in this document.

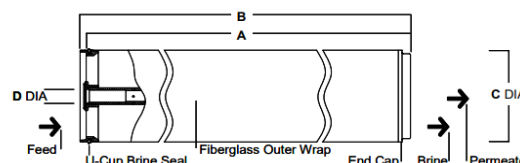
Performance:

	Active area	Permeate flow	Salt rejection	Feed spacer
Ecomembrane recovered from BW30XFR-400/34i	ft ² (m ²)	GPD (m ³ /d)	%	mil
	400 (37)	>10.500 (>40)	>98 %	34

- The data shown in the table were simulated in a test with 2,000 ppm NaCl, 225 psi (15 bar g), 77°F (25°C), pH 7.5, 15% recovery. If these conditions differed, the values shown have been normalized to those conditions.

- The flow rate shown may vary by ±15%.

Dimensions:



Dimensions in inches (mm)	
A	40 (1.016)
B	40,5 (1.029)
C	7,9 (201)
D	1.125 (29)

Cleaning and operating data:

Maximum operating temperature	113 °F (45 °C)
Maximum operating pressure	600 psig (41 bar)
Maximum Pressure Drop per element	15 psig (1 bar)
pH range	
Continuous operation	2-11
Short term cleaning (30 min)	1-13
Maximum feed Silt Density Index (SDI)	5
Maximum chlorine concentration	< 0.1 ppm

- The maximum temperature for continuous operation above pH = 10 is 95°F (35°C).
- Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature damage to the membrane. Oxidation damage is not covered by the warranty.
- The customer is responsible for any consequences that may occur to the membrane due to the use of chemicals and/or lubricants that are not compatible with it.
- Consult with Ecomemb's technical department for recommendations regarding flow rates, fluxes, conversions, and other operating parameters based on water quality.
- This product may be subject to potable water application restrictions in some countries.