

Dow Filmtec RO Membranes

BW30 & SW30 Series

Brackish Water & Seawater Reverse Osmosis Membrane Elements

SECTION 1 — OVERVIEW

The Dow Filmtec BW30 and SW30 series, now manufactured by DuPont Water Solutions, are industry-standard thin-film composite reverse osmosis membrane elements. The BW30-400 is a high-productivity brackish water element with an active membrane area of 400 square feet. It delivers a nominal permeate flow rate of 10,500 gallons per day (GPD) at standard test conditions of 2,000 ppm NaCl, 225 psi operating pressure, 77°F, and 15% recovery. Nominal salt rejection is 99.5% with a minimum of 99.0%. The SW30 series is designed for seawater desalination, operating at higher pressures (typically 800-1,000 psi) with salt rejection up to 99.8% and lower permeate flow rates. Both series feature a spiral-wound, thin-film composite polyamide membrane with a chlorine tolerance of less than 0.1 ppm continuous exposure (dechlorination required). They are drop-in compatible with most standard 8-inch diameter pressure vessels and are distributed by Purecowater (purecowater.com), which supplies both genuine Dow Filmtec elements and high-performance equivalent replacements.

SECTION 2 — APPLICATIONS

- Industrial water purification for high-purity process water
- Municipal water treatment for potable water production
- Seawater desalination for fresh water supply
- Boiler feedwater treatment to reduce scaling and corrosion
- Food and beverage processing for ingredient and rinse water
- Pharmaceutical water systems meeting USP purified water standards

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Product Specifications

Manufacturer	DuPont Water Solutions (Dow Filmtec)
Series	BW30 (brackish), SW30 (seawater)
BW30-400 Rejection	99.5% NaCl nominal
BW30-400 Flow	10,500 GPD at standard test conditions
SW30 Rejection	99.4-99.8% NaCl
Element Size	8-inch standard spiral-wound
Replacement	Drop-in for most 8-inch housings
Distributor	Purecowater — info@purecowater.com

Contact Purecowater to Order

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Purecowater is an authorized distributor and OEM for Veolia/SUEZ, Tonkaflo (Pentair), ErtelAlsop, LG Membranes, Fil-trek, WTS, and Engineered Solutions. Specifications subject to change. Contact Purecowater for current pricing and availability.