

MAXTRON™ BW30-400 Element
Description

Ideal for: reverse osmosis plant managers and operators dealing with controlled pre-treatment waters and seeking consistent, high performance, long element life and increased productivity.

Offering decades of proven performance, Maxtron™ BW30-400:

- Offers most effective cleaning performance, robustness and durability due to its widest cleaning pH range (1 – 13) tolerance and the support of technical representatives

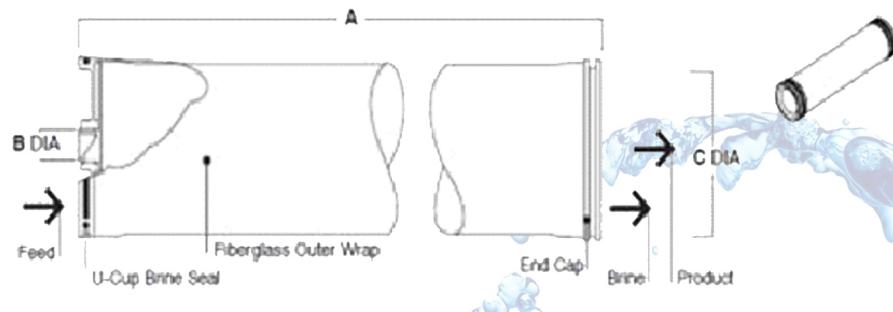

Product Type

Spiral-wound element with polyamide thin-film composite membrane

Product Specifications

Maxtron™ Element	Active Area (ft ²)	Feed Spacing (mil)	Permeate Flow Rate (GPD)	Typical Stabilized Salt Rejection (%)	Minimum Salt Rejection (%)		
BW30-400	400	37	28	10,500	40	99.5	99.0

1. Permeate flow and salt (NaCl) rejection based on the following standard test conditions: 2,000 ppm NaCl, 225 psi (15.5 bar), 77°F (25°C), pH 8, 15% recovery.
2. Flow rates for individual elements may vary but will be no more than 15% below the value shown.
3. Stabilized salt rejection is generally achieved within 24-48 hours of continuous use; depending upon feedwater characteristics and operating conditions.
4. Sales specifications may vary as design revisions take place.
5. Active area guaranteed \pm 3%. Active area as stated not comparable to nominal membrane area often stated by some manufacturers. Measurement method described in Form No. 609-00434.

Element Dimensions


MAXTRON™ Element	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
BW30-400	40.0	1,016	1.125 ID	29 ID	7.9	201

1. Refer to Water & Process Solutions Design Guidelines for multiple-element applications. 1 inch = 25.4 mm
2. Element to fit nominal 8-inch (203-mm) I.D. pressure vessel.



Operating and Cleaning Limits

Maximum Operating Temperature a	113°F (45°C)
Maximum Operating Pressure	600 psig (41 bar)
Maximum Element Pressure Drop	15 psig (1.0 bar)
pH Range, Continuous Operation a	2 – 11
pH Range, Short-Term Cleaning (30 min.) b	1 – 13
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance c	< 0.1 ppm

- a Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
- b Refer to Cleaning Guidelines in specification sheet 609-23010.
- c Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, Dow Water & Process Solutions recommends removing residual free chlorine by pretreatment prior to membrane exposure.

MAXTRON Membranes

Contact Dow
Water & Process
Solutions:

Notice: The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.