



A wish for wellness...
Multi Stage Water Purifiers & Spares
Domestic | Commercial | Industrial

Hi-Tech TMBW30-400 FOULING RESISTANT ELEMENT Product Information



SPECIFICATION	Product	TMBW30-400
	Technologies with	Fouling Resistant Element
	Active Area ft ² (m ²)	400 ft ² (37.2 m ²)
	Permeate Flow Rate gpd (m ³ /d)	11500 gpd (43.05 m ³ /d)
	Salt Rejection (%)	99.7% (99.3% minimum)
TYPE	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide (polyamide thin film composition)
	FRP:	Epoxy - Vinylester
MAXIMUM APPLICATION LIMITS*	Operating Pressure Tap Wrapped	600 psig (41 bar)
	Chlorine Concentration	< 0.1 PPM
	Operating Temperature	113 °F (45 °C)
	pH Range, Continuous (Cleaning)	2-11 (1-13)*
	Feed Water Turbidity	1.0 NTU
	Feed Water SDI (15 mins)	5.0
	Ratio (Concentrate to Permeate Flow for any Element)	4:1
	Pressure Drop for Each Element	15 psi

* The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. For more detail on operation limits, cleaning pH, and cleaning temperatures consult technical Guidance note.

TESTING PARAMETERS	The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:	
	NaCl Solution	2000 PPM
	Applied Pressure	225 psi (15.5 bar)
	Operating Temperature	77 °F (25 °C)
	Permeate Recovery	15%
	pH Range	6.5 - 8.0

Hi-Tech TMBW30-400 Product Information



DIMENSIONS	Weight :	27.55 lbs (12.5 kg)			
	A Length	B Diameter	C Core Tube Dia.	D Feed Side	E Conc. Side
	40.0 inch (1016 mm)	7.95 inch (201.9 mm)	1.125 inch ID (28.6 mm ID)	-	-
	<p>Notice:</p> <p>Permeate flow for individual elements may vary ± 20 percent. All membrane elements are supplied with a brine seal, interconnect or. Elements are packed in a sealed polyethylene bag, A maximum temperature for continuous operation above pH10 is 95F(35°C).</p>				

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Guideline :

Permeate obtained from first hour of operation should be discarded.

Avoid static permeate – side back pressure at all time.

These membrane may be subject to drinking water application restrictions in some countries. Please check the application status before use and sale.

For element loading use only glycerin to lubricate o-ring and brine seal.

Feature:

The fouling-resistant (TMBW-30) series membrane elements of Technology adopt special technology to treat the membrane surface, which changes the charge and smoothness of the membrane surface, increases the hydrophilic of the membrane surface, effectively reduces the fouling of colloid, organism and other fouling, and greatly improves the cleaning and recovery performance of the membrane. At the same time, the 34mil wide inlet water runner deigns adopted, which further strengthens the fouling-resistant ability and better wash ability of membrane elements

The customer is fully responsible for the effects of incompatible chemicals on elements . the presence of free chlorine and other oxidizing agents will cause membrane failures, the damage is not covered under warranty.

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