



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

Hi-Tech ES-2012-80 Dry Product Information



SPECIFICATION

Product	ES-2012-80 DRY
Permeate Flow Rate gpd (m ³ /d)	80 gpd (300 l/d)
Salt Rejection (%)	97% (95% minimum)

TYPE

Configuration:	Spiral Wound
Membrane Polymer:	Composite Polyamide (polyamide thin film composition)

MAXIMUM APPLICATION LIMITS*

Operating Pressure Tap Wrapped	125 psig (8.6 bar)
Chlorine Concentration	< 0.1 PPM
Operating Temperature	113 °F (45 °C)
pH Range, Continuous (Cleaning)	3-10 (1-12)*
Feed Water Turbidity	1.0 NTU
Feed Water SDI (15 mins)	5.0
Feed Flow	2 GPM (7.5 l/m)
Ratio (Concentrate to Permeate Flow for any Element)	5:1
Pressure Drop for Each Element	10 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	2500 PPM
Applied Pressure	60 psi (4.1 bar)
Operating Temperature	77 °F (25 °C)
Permeate Recovery	80 gpd (300 l/d)
pH Range	6.5 - 7.0

Hi-Tech ES-2012-80 Dry Product Information



DIMENSIONS	Weight :	0.44 lbs (0.20 kg) (200 gm)			
	A Length with Tube	B Diameter	C Tube Diameter	D Diameter	E Length
	11.74 inch (298 mm)	0.85 inch (31 mm)	0.68 inch (17 mm)	2.0 inches (44.5mm)	10.0 inches (254 mm)
	<p> P Permeate F Feed Cn Concentrate </p>				

Notice:

Permeate flow for individual elements may vary \pm 20 percent.
 Elements are packed in a sealed polyethylene bag, and then packaged in a cardboard box.

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.

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.
 The information and data contained herein are accurate and as per Hi-tech's internal testing. The information and data are offered in good faith, but without guarantee as conditions, system design and methods of use of our products can makes a difference. Hi-tech takes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of products for specific end uses.
 No performance warranties are given; all implied warranties of merchantability or fitness for a particular purpose are expressly excluded. Consult factory for detailed warranty information.
 We reserve the right to modify of amend specification without prior notice.