



Hi-Tech ES-2012-100 Product Information

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



SPECIFICATION	Product	ES-2012-100
	Type of Element	DRY
	Permeate Flow Rate gpd(l/d)	100 gpd (395 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	250 PPM
	Applied Pressure	60 psi (4.1 bar)
	Operating Temperature	77 °F (25 °C)
	Recovery	15%
	pH Range	6.5 - 7.0

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Weight : 0.49 lbs (0.22 kg) (220 gm)

A Length with Tube	B Length	C Tube Diameter	D Diameter	E Length
11.74 inch (298 mm)	0.85 inch (21 mm)	0.68 inch (17 mm)	2.0 inches (50.8mm)	10.0 inches (254 mm)

DIMENSIONS

(P) Permeate
 (F) Feed
 (Cn) Concentrate

Notice:

Permeate flow for individual elements may vary ± 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.
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