

Home RO

Membrane Element

ESPA-1812-75

Performance

Permeate Flow:	75 gpd (284 liters/d)
Salt Rejection (Stabilized):	97%
Salt Rejection (Minimum):	96%

Type

Configuration:	Spiral Wound
Membrane Polymer:	Composite Polyamide

Application & use

Maximum Applied Pressure:	150 psig (1.0 MPa)
Maximum Chlorine Concentration:	< 0.1 PPM
Maximum Operating Temperature:	113° F (45°C)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	2 GPM (7.6 l/m)
Storage Temperature Limits:	-40 °C to 40 °C (-40°F to 104°F)

- Initial product water from a new element should be discarded. At least one tank of permeate should be discarded before use. **DO NOT DRINK OR USE THIS INITIAL WATER FOR FOOD CONTACT.**
- System should be flushed to drain for one hour to purge the system of potential of residual materials.
- Elements are packaged dry, sealed in polyethylene bags, and shipped in a cardboard box containing 25 pieces. A very small percentage of elements are wet tested for statistical analysis and performance validation. These are shipped in vacuum sealed bags with 1% sodium bisulfite preservative solution.
- Recommend that home RO systems using these elements be rinsed in accordance with manufacturer's recommendations and elements always be kept wet once first contacted with water.

Test Conditions

Element performance is measured relative to these benchmark conditions:

500 PPM Softened Tap Water
 65 psi (0.45 MPa) Applied Pressure
 77 °F (25 °C) Operating Temperature
 6.5 – 7.0 pH Range
 (Data taken after 30 minutes of operation)

Notice

Permeate flow for warranty evaluation shall not be less than 20 percent below the nominal flow value listed above. All membrane elements are supplied with a brine seal and o-rings.

Product Dimensions: Fits 2"sch 40 PVC pipe



A, inches (mm)	B, inches (mm)	C, inches (mm)	D, inches (mm)	E, inches (mm)
11.74 (298)	1.78 (45.2)	10.0 (254)	0.68 (17.3)	0.86 (21.8)

- Dry Weight, 0.5 lbs (0.23 kg)
- Core tube on brine seal side (dimension: "D") is plugged. Permeate flow is through o-ring side of tube only

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