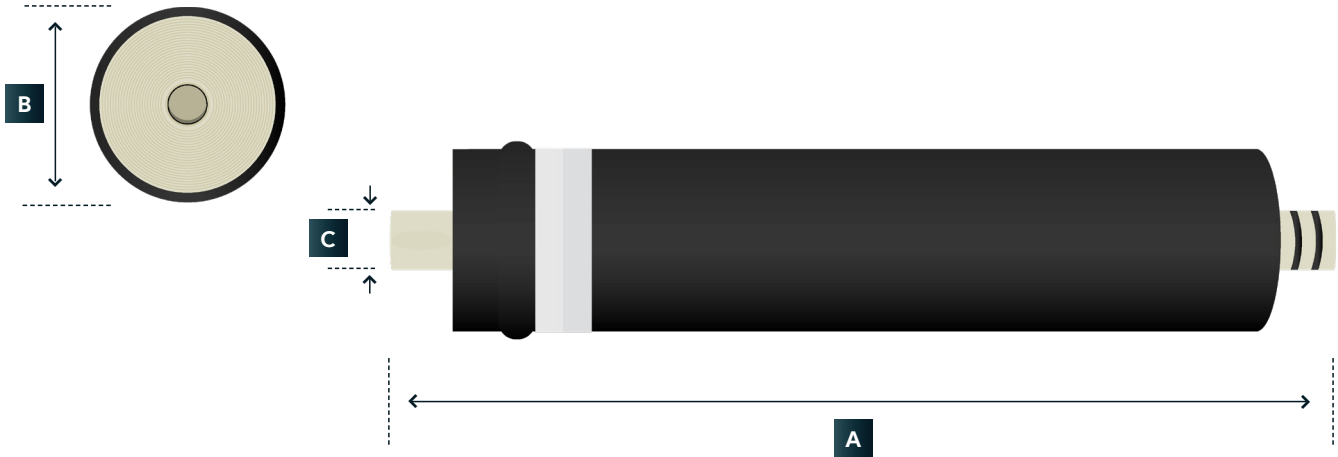


## 12" Reverse Osmosis Membrane Element



### Operating Specifications

Stabilised Salt Rejection Rate - %	< 97
Feed Flow Rate - (lpm)	1.9 - 7.6
Operating Pressure - psi (bar)	3 - 21 (43-300)
Operating Temperature - °C (°F)	5 - 45 (41-113)
Recommended Recovery - %	< 33
Typical Recovery - %	15 - 25
Free Chlorine Tolerance - ppm	< 0.1
Feed Silt Density Index - SDI	< 5
Feedwater Turbidity - NTU	< 1
PH Range	3 - 10
PH Range (Chemical Cleaning)	2 - 11
Recommended Shelf Life - Years	< 2
Permeate Flow Rate - gpd (lph)	PRO-1812-50 < 50 (< 7.9)
	PRO-2012-100 < 100 (< 15.8)
	PRO-2012-150 < 150 (< 23.7)
	PRO-2812-200 < 200 (< 31.5)
	PRO-3012-300 < 300 (< 47.3)
Active Area - ft² (M²)	PRO-1812-50 3.9 (0.36)
	PRO-2012-100 5.8 (0.54)
	PRO-2012-150 5.8 (0.54)
	PRO-2812-200 13.6 (1.26)
	PRO-3012-300 13.6 (1.26)

### Materials of Construction

Permeate Tube	ABS
Feed Channel Spacer	Polypropylene
Membrane	Polyamide Thin-Film Composite
Outer Wrap	Tape
Brine Seal	Buna-N
O-Rings	Buna-N

### Dimensions

Housing	A (")	B (")	C (")
PRO-1812-50	11.7	1.8	0.67
PRO-2012-100	11.7	2	0.67
PRO-2012-150	11.7	2	0.67
PRO-2812-200	11.7	2.8	0.67
PRO-3012-300	11.7	3	0.67

### Configurations

Length - "	12
Width - "	0.67 (nominal)