

121 Series Reverse Osmosis Membranes



65 psi™
Operating Pressure

- ✓ World Class Manufacturing Facility
- ✓ Advance Membrane Technology
- ✓ Precision Manufacturing Tolerances
- ✓ 35+ Combined Years Experience

Features

- High Recovery Design, up to 50%
- Patented Retail Packaging Available
- ISO 9000, Semi-Automated Manufacturing Facility
- NSF Approved Buna-N Dual O-Rings
- Fits All Standard Vessels
- 100% Vacuum Decay Test
- Shipped Dry

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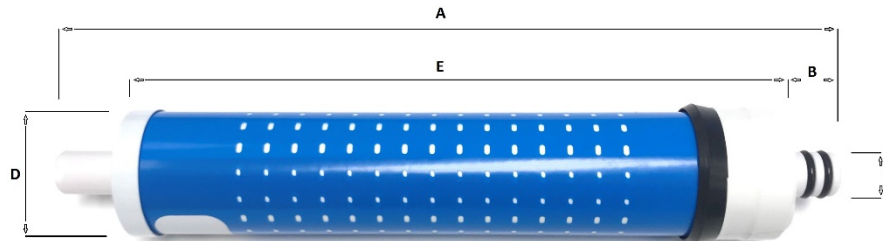
Web: www.advantechaqua.com



MODEL	121-1812-50	121-1812-75	121-1812-100	121-1812-150
Part Numbers	61114	61115	61116	61117
Flow Specifications				
Permeate Flow gpd	50 gpd	75 gpd	100 gpd	150 gpd
Permeate Flow lph	7.88 lph	11.83 lph	15.77 lph	23.66 lph
Permeate Variance	+/- 20%	+/- 20%	+/- 20%	+/- 20%
Operating Limits				
Max Temperature F°	113	113	113	113
Max Temperature °C	45	45	45	45
Max Feed Flow gpm	2	2	2	2
Max Feed Flow lpm	7.60	7.60	7.60	7.60
Max Feed SDI	5	5	5	5
pH Range	2-11	2-11	2-11	2-11
Chlorine Tolerance	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm
Element Dimensions				
A (inch / mm)	11.75" 298mm	11.75" 298mm	11.75" 298mm	11.75" 298mm
B (inch / mm)	.900" 22.86mm	.900" 22.86mm	.900" 22.86mm	.900" 22.86mm
C (inch / mm)	.68" 17mm	.68" 17mm	.68" 17mm	.68" 17mm
D (inch / mm)	1.75" 44.5mm	2.00" 50.8mm	2.00" 50.8mm	2.00" 50.8mm
E (inch / mm)	9.55" 242mm	9.55" 242mm	9.55" 242mm	9.55" 242mm
Min. Concentrate Flow	150 ml/min	200 ml/min	300 ml/min	400 ml/min

Permeate flow and salt rejection based on the following test conditions: 500 ppm softened tap water, 77°F (25°C), 50% recovery at 65psi. Minimum salt rejection is 93%. Membrane production can vary +/- 20%.

*Feed water must be softened and Iron free or premature membrane fouling may occur.



It is recommended that systems using these elements rinse the elements for 24 hours, prior to first use. Permeate water obtained from the first hour of use should be discarded to the drain. To ease installation, it is recommended to use a lubricant safe for indirect water contact on all seals. Keep elements moist at all times after initial wetting. • To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservative solution. Rinse out the preservative before use. • The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure may damage the membrane and should be avoided.