

## “E” SERIES REVERSE OSMOSIS SYSTEM



VEOLIA Water Systems (Australia) “E” Series Reverse Osmosis units produce up to 136 L/hr of high purity water for applications requiring low volumes of high purity water. The systems will remove up to 96% of salts, pollutants, bacteria, viruses and other dissolved impurities from brackish waters up to 2000 ppm TDS. The “E” Series unit is designed primarily for ease of installation, reliability and simplicity of operation.

### STANDARD PLANT

- Stainless steel framework for strength and corrosion resistance.
- Standard instrumentation consisting of feed and system pressure gauges.
- Unique membrane vessel arrangement that allows removal and replacement of elements in minutes.
- Pre-packaged with installed & preserved membranes and pre-wired for quick, easy installation and start up.
- Tested in our ISO9001 certified factory prior to shipment.
- Proven design and construction materials ensure operational reliability.
- Low noise and smooth operation for use in noise sensitive environments.
- Programmable Logic Controller (PLC) standard.
- Extremely compact design allows the unit to be operated in confined spaces.
- Conductivity meter (single channel).

### OPTIONS

- Remote stop / start level control switch
- Stainless steel mounting frame - for free standing unit.
- Pre-filter cartridges
- Permeate Flow Rotameter



## SYSTEM PERFORMANCE

Model	Unit	E1	E2	E3	E4	E5
Maximum Permeate Water Flow *	L/hour	24	57	75	114	136
Maximum Permeate Water Flow *	L/day	576	1368	1752	2736	3264
Maximum Feed Water Flow *	L/hour	300	300	300	510	510
Maximum Concentrate Water Flow *	L/hour	276	243	227	396	374
Maximum Feed Water TDS *	ppm	2000	2000	2000	2000	2000
Membrane Elements (2.5 inch)		1	2	3	4	5
Pump Motor Size	kW	0.37	0.37	0.37	0.37	0.37

\* Flow rates are dependent on feed water quality and water temperature. The data is based on a TDS of 2000 ppm and a temperature of 25 °C.

## SYSTEM DIMENSIONS, WEIGHTS & CONNECTIONS (excludes options if fitted)

Model		E1, E2 & E3	E4, E5
Height	mm	380 (1180 with stand)	500 (1380 with stand)
Depth	mm	410	410
Width	mm	590	590
Approx. Service Weight	Kg	40	50
Feed Inlet		1/2 " Hose	1/2 " Hose
Permeate Outlet		1/2 " Hose	1/2 " Hose
Concentrate Outlet		1/2 " Hose	1/2 " Hose

## MATERIAL SPECIFICATIONS

Model	All Models
Pipework – Low Pressure	PP/Nylon
Pipework – High Pressure	Nylon
Valve Material – Low Pressure	PP
Valve Material – High Pressure	Nylon
Frame	304 ss
Pumps – wetted components	Brass

## FEED WATER SUPPLY TEMPERATURE

## ELECTRICAL SUPPLY

<ul style="list-style-type: none"> <li>Temperature Min. 10 °C Max. 40 °C *</li> </ul>	<ul style="list-style-type: none"> <li>All models 240V, single phase, 50 Hz</li> </ul>
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\* Attainable water quality from the RO will degrade as the feed temperature increases – ideal temperature range is 15– 25°C

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