

COMMERCIAL REVERSE OSMOSIS SYSTEMS



In order to understand Reverse Osmosis, we must first define Osmosis.....

WHAT IS OSMOSIS?

Osmosis is the passage of a liquid through a semi-permeable membrane.

WHAT IS A SEMI-PERMEABLE MEMBRANE?

A semi-permeable membrane is a membrane which allows water molecules to pass through it and not impurities.

HOW DOES REVERSE OSMOSIS WORK?

Reverse Osmosis is the reverse of the natural osmosis process that occurs in nature. During osmosis liquid flows from a state of low concentration of solids or impurities to a state of relatively high concentration. To treat water by the osmotic process, osmosis must be reversed to make the water flow from a state of high concentration of solids to a low concentration. This is done by applying pressure to the high concentration side of the membrane, the result very high quality water.



- STANDARD FEATURES**
- **Stainless Steel Frame**
 - **3x 20" Pre-filters**
 - **Source and RO Guage**
 - **Inlet and Concentration Flow meter**
 - **Auto Flush controller**
 - **Pressure Regulator**
 - **Anti-Scalent Device**
 - **High performance BW membranes**
 - **High pressure Pump**



***Inlet Actuator and Flush Solenoid Valve**

	Output LPD @16°C	Fibreglass Membrane Vessel	Stainless Steel Membrane Vessel	TDS Detector	Membrane Qty/Size	Gate Valve	Inlet And Flush Solenoid Valve
ARO300G2	750	N	Y	N	2 2.5X21"	N	Y
ARO600G2	1500	N	Y	N	2 2.5X21"	N	Y
ARO800G	2000	N	Y	Y	1 4X21"	N	Y
ARO1500G	4000	Y	N	Y	1 4X40"	N	Y
ARO3000G	8000	Y	N	Y	2 4X40"	Y	Y*
ARO4500G	12000	Y	N	Y	3 4X40"	Y	Y*
ARO6000G	16000	Y	N	Y	4 4X40"	Y	Y*

Larger systems available—contact us with your requirements!!!