

COMPACT 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

- **20" 5 micron and 1 micron pre-filters**
- **20" Carbon Block pre-filter**
- **Anti-Scalent Prefilter**
- **Booster Pump and Transformer**
- **TFC RO Membranes**
- **Post Granular Carbon Filter**
- **High/Low Pressure switch**
- **Faucet & Installation Kit**
- **Optional Auto Flush Controller**
- **Auto Shut-off valve and Flow restrictor on Model ARO150G**

PART NUMBER	DESCRIPTION
ARO150G	Reverse Osmosis Unit 150 GPD (560 litres per day)
ARO200G	Reverse Osmosis Unit 200 GPD (750 litres per day)
ARO300G	Reverse Osmosis Unit 300 GPD (1130 litres per day)
ARO400G	Reverse Osmosis Unit 400 GPD (1500 litres per day)