

# RO-300G

300 GPD RO System

**REVERSE OSMOSIS (RO)** is one of the most convenient and economical methods of reducing unwanted contaminants in your drinking water. The RO-300G Reverse Osmosis system provides 300 gallons per day (GPD) of clean, clear, refreshing drinking water for light commercial use.

**REVERSE OSMOSIS** is the process by which water molecules are forced by water pressure through a semipermeable membrane, and causing most of the impurities and other contaminants to be rinsed to the drain while the refined water is routed to a special holding tank. The Thin Film Composite (TFC) reverse osmosis membrane rejects a high percentage of impurities to bring you the most advanced RO technology at an affordable price.

## PRODUCT SPECIFICATIONS

<b>Daily Production Rates:</b>	300 GPD
<b>Recovery Rate:</b>	1:4 Product Waste
<b>Nominal Salt Rejection:</b>	98%
<b>Operating Pressure:</b>	100 PSI
<b>Operating Temperature:</b>	40 - 100 °F
<b>Water Hardness:</b>	< 120 PPM (7 GPG)
<b>Ph Range:</b>	4 - 11
<b>TDS:</b>	< 1,000 PPM
<b>Shipping Box Dimensions:</b>	13" x 28" x 25"

## INSTALLATION GUIDELINES

**WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.**

**CAUTION:** Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since UV rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undue strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to do the above may result in cracking of the filter housing, water leakage and water damage.

**CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted.

**WARRANTY:** Limited one (1) year warranty from the date of sale for material defects only. Warranty is limited to repair or replacement of product only. Any misuse, misinstallation, lack of maintenance, exceeding maximum pressure or failure to follow these instructions will void limited warranty.

**DISCLAIMER OF WARRANTIES:** Except as expressly warranted in writing by hydronix water technology, the goods sold by hydronix water technology are purchased by the buyer "as is." Hydronix water technology does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by hydronix water technology, hydronix water technology makes no representation or warranty of any kind with respect to the products.

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## PRODUCT FEATURES

- Light weight, heavy duty power coated steel frame.
- Assembled with NSF Certified Filters, Tubing, Fittings and Membrane.
- Space saving design.
- 300 GPD TFC Membrane element.
- Pressure Gauge for operating pressure.
- Floor or wall mountable.
- AQUATROL™ 36V Pump.

## FLOW CHARACTERISTICS

