

## Technical Data Sheet

### APPLICATION:

Provides low conductivity water for washers, disinfectors, glassware washers, steam boilers and final rinses.

### DESCRIPTION:

Reverse Osmosis System and deionizer polisher with all pretreatment on board in an ABS cabinet and a 55 gallon storage tank with demand pump package that provides up to 20 GPM, and up to 2800 GPD. Deionizer polisher utilized exchange mixed bed resin packs.

### FEATURES:

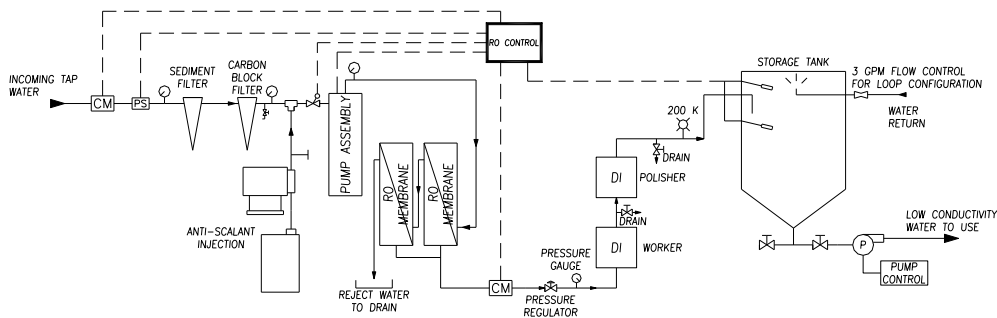
- Pre-sediment filter (1 micron)
- Pre-carbon block filter
- Anti-scalant feed to prevent hard water scale on reverse osmosis
- Controller with conductivity of feed and product water
- Simple disinfection cycle
- Low feed pressure shut down
- Storage tank with sealed lid and pump package
- Deionizer polisher includes a 200,000 ohm-cm monitor with alarm



### STANDARDS:

- Underwriters Laboratories (UL) (ETL) to IEC61010-1 (pending)
- ISO134585 registered device
- UL Class 2, UL & CSA approved transformer
- FDA cleared for marketing

### PRINCIPLE OF OPERATION for COMPLETE WATER TREATMENT SYSTEM:



Tap water enters the system through the one micron sediment filter, to the carbon block filter, after which the anti-scalant chemical is pumped into the flow to the reverse osmosis pump and membranes. Product water flows to the 55 gallon storage tank, reject concentrated waste water flows to the drain (product and reject are 50% each). The demand pump runs when flow is needed and pumps the low conductivity water to the use.

**SAFETY FEATURES:**

- Low feed pressure system shutdown / alarm
- High conductivity alarm
- Storage tank empty pump shutdown

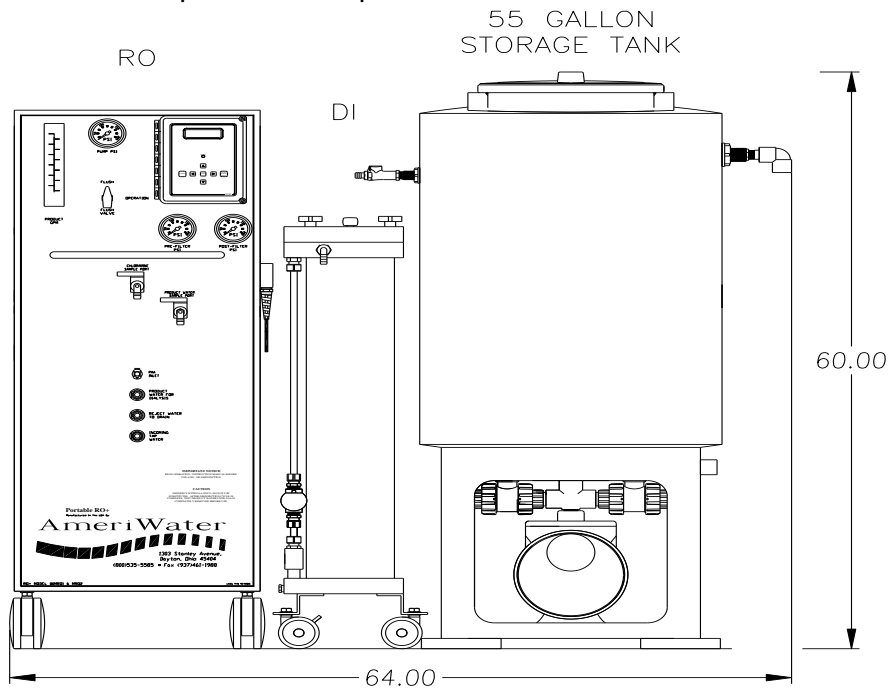
**INPUT REQUIREMENTS:**

Floor Space	64" wide x 60" H x 24" deep
Drain	One 1-1/2" floor drain or sink
Feed Water Quality	EPA drinking water standards
Feed Water Temperature	Between 50° - 100° F
Feed Water Flow Minimum	5 GPM
Feed Water Pressure Minimum	20 PSIG
Electrical	(2) 115 volt AC / 20 amp dedicated circuits
Receptacles	Three prong

**SPECIFICATIONS / PERFORMANCE:**

Shipping Weight	507 lbs
Operating Weight	975 lbs
Production GPD / LPD*	2,800 / 10,600
Distribution Pump Output	20 GPM @ 20 PSI

\* Product flow rate varies with temperature. All models are rated at 77°F with feed water of 1500 mg/l NaCl @ 55 PSI feed pressure and pH of 7.5



**WARRANTY:**

One year on parts.

**ACCESSORIES:**

Remote alarm package	Part #00850233
100 gallon storage tank	Part #00HC-0091
1 meg ohm monitor w/alarm for deionizer	Part #75679117