



HEALTHCARE WATER TREATMENT SYSTEMS ROS REVERSE OSMOSIS WITH DEIONIZER/ MODEL 00HC-2045

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 800 GPD. Deionizer polisher utilizes exchange mixed bed resin packs.

FEATURES:

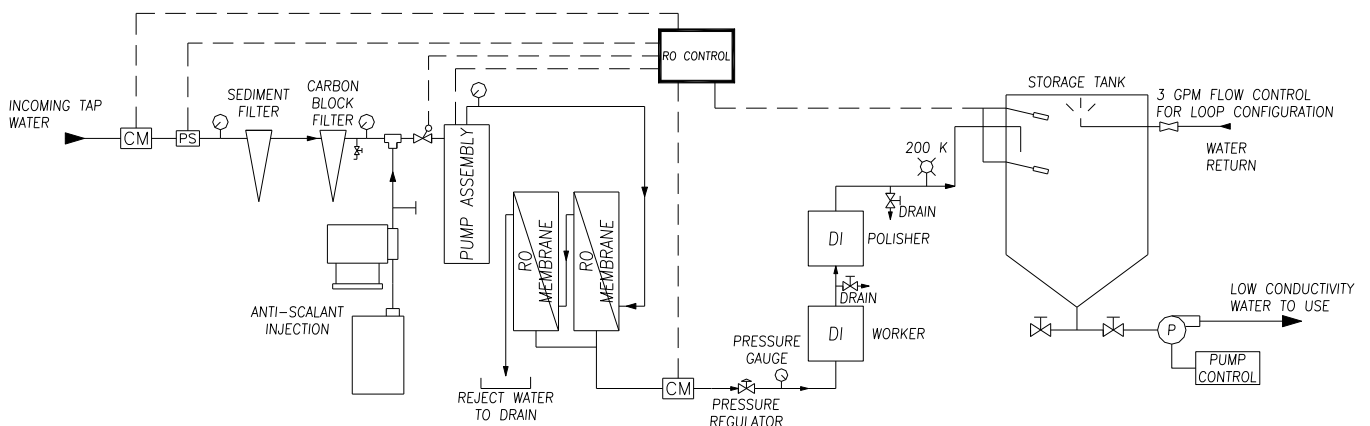
- Pre-sediment filter (1 micron)
- Pre-carbon block filter
- Anti-scalant feed to prevent hard water scale on reverse osmosis
- Controller with conductivity of feed and product water
- Simple disinfection cycle
- Low feed pressure shut down
- Storage tank with sealed lid and pump package
- Deionizer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



STANDARDS:

- Underwriters Laboratories (UL) (ETL) to IEC61010-1 (pending)
- Seismic Pre-Approval #OPA-2202-07
- ISO134585 registered device
- UL Class 2, UL and 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 through the deionizer and monitor, 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

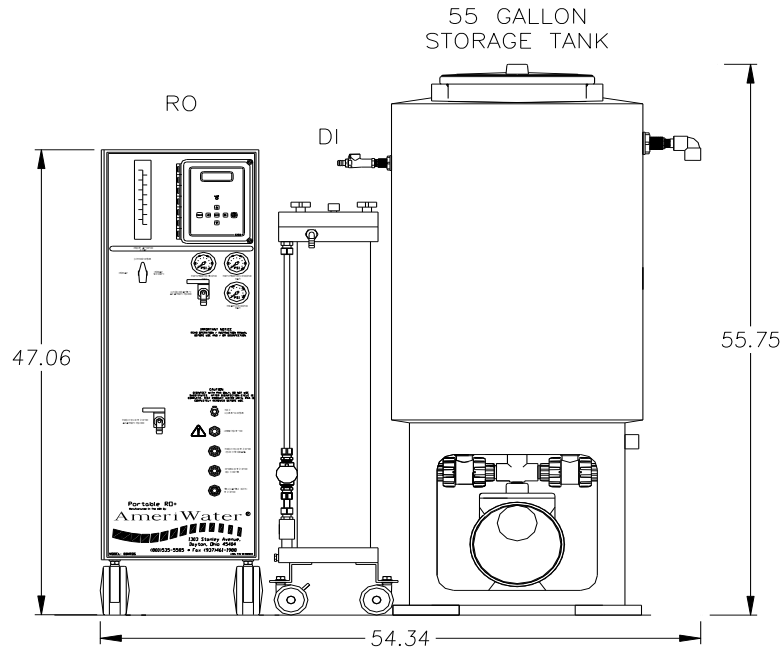
INPUT REQUIREMENTS:

| | |
|-----------------------------|---------------------------------------------|
| Floor Space | 59" wide 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 | 3 GPM |
| Feed Water Pressure Minimum | 20 PSIG |
| Electrical | (2) 115 volt AC / 20 amp dedicated circuits |
| Receptacles | Three prong |

SPECIFICATIONS / PERFORMANCE:

| | |
|--------------------------|-----------------|
| Shipping Weight | 537 lbs |
| Operating Weight | 748 lbs |
| Production GPD / LPD* | 800 / 3,028 |
| 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 megohm monitor w/alarm for deionizer | Part #75679117 |