

High Capacity Reverse Osmosis Plus DI System

Features & Benefits

- ◆ Easy installation, operation, and maintenance.
- ◆ System automatically shuts down when RO storage tank is full, or in the event that incoming water pressure is lost.
- ◆ Flow totalizer monitors water usage for activated carbon prefilter cartridge replacement.
- ◆ Conductivity/Resistivity meters continuously monitor RO and DI water quality.
- ◆ Product and reject flowmeters monitor and control system flow rates.
- ◆ TFC (thin film composite) RO cartridges offer high performance and long life.
- ◆ Built-in UV Sterilizer
- ◆ Continuous recirculation.
- ◆ 1 year warranty.
- ◆ Made in the USA.

Product Availability

AQUA SOLUTIONS High Capacity Reverse Osmosis Plus DI (RODI) Systems are available in 1 and 2 Gallon/minute configurations. They are uniquely designed for ease of installation, operation, and maintenance. This system combines a RO system with a Type I DI system on a single welded aluminum frame.

The Reverse Osmosis portion of the system is for operation on virtually any quality tap water and includes a built-in three stage prefilter assembly. The RO removes up to 99% of the contaminants in tap water, which can reduce the operating cost of the DI system by more than 90%. The RO controller monitors the quality of the RO water and turns the RO System on and off as needed to fill the storage.

The RO water is stored in a pressurized 200-Liter storage tank. The pressurized tank significantly reduces the risk of contamination and eliminates the need for a feed pump.

The DI portion of the system will produce Type I (18.2-Megohm-cm) DI water that is pyrogen/endotoxin free, and/or has no RNase/DNase activity. The DI water is available at a flow rate of 8-12 Liters/Minute., however, the DI water production is limited by the RO production and storage capacity. A built-in UV Sterilizer reduces prevents the growth of microorganisms within the system, and alerts you when its time to change the lamp. The purity of the DI water is monitored by a Conductivity/Resistivity meter. The meter has a digital display and red and green LED's to alert you when its time to replace the purification kit.

A built-in circulation pump provides continuous circulation to maintain the purity of the DI water. This pump will support a small circulation loop that could feed multiple analyzers or dispensing points.

See Page 2 for system specifications and ordering information.

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RODI-2000-01BU RODI-2000-03BU



RO SPECIFICATIONS:

Rated capacity one Gal/minute at 77° F (RODI-2000-01BU)
 Rated capacity two Gal/minute at 77° F (RODI-2000-03BU)
 Max. TDS in feed water (PPM): 1,000
 Nominal operating pressure (PSIG): 100
 Tap Water Inlet: 3/4' NPT
 System width (inches): 36
 System depth (inches): 23
 System height (inches): 48
 Shipping weight (lbs): 280
 Prefilter assembly: 3-Stage
 Sediment prefilter cartridges: 75/25-Micron
 Sediment prefilter cartridges: 5-Micron
 Activated carbon prefilter cartridge: 1-Micron
 Reverse osmosis cartridges: 1 or 2
 Cabinet or frame style: Frame
 TDS meter: Included
 RO Controller: Included
 Product & reject flow meters: Included
 4 pressure gauges: Included
 Electric solenoid inlet valve: Included
 Booster pump motor: 3/4 HP
 RO2000-01: The system is rated at 120 VAC -15% +10%, 50/
 60 Hz, 25 Watts.
 RO2000-03: The system is rated at 240 VAC -15% +10%,
 50/60 Hz, 25 Watts.

RO REPLACEMENT CARTRIDGES

CNBB27525MP - 20" 75/25µ prefilter 1
CNBB2005PP - 20" 5µ prefilter 1
CCBB2020 - 20" 1µ activated carbon 1
CR4040-HF4 - reverse osmosis cartridge 1 or 2

DI SPECIFICATIONS:

Resistivity 18.2 Megohm-cm
 TOC <50 PPB
 Bacteria <1 cfu/ml
 Endotoxin (EU/ml) <0.001
 RNase (ng/ml) <0.01
 DNase (pg/µl) <4
 Continuous flow rate 8-12-Liters/minute
 Circulation pump Internal

DI Modules:

2635 (7" Dia X 37" H) Required

Purification Kits:

2635M1T-A: 1 Module
2635M2T-A: 2 Module

UV Lamp:

UV2006LS8: UV Sterilizer Lamp

STORAGE TANK :

ROT-200 (26" Dia x 48" H): Included

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