

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.
- ◆ Pressurized storage tank eliminates the need for a demand pump and vent filters.
- ◆ A 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.
- ◆ Continuous DI recirculation to maintain purity.
- ◆ 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 Low TOC 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 ~96-99% 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 demand pump.

The DI portion of the system will produce Type I (18.2-Megohm-cm) DI water at a flow rate of 8-12 Liters/Minute. Please note that DI production is limited by storage capacity and RO production. A built-in UV Oxidizer reduces TOC levels, prevents the growth of microorganisms within the system, and alerts you when it is time to change the lamp. The Conductivity/Resistivity monitor has a digital display with red and green LED's to alert you when it is time to replace the purification kit.

Several DI pre-treatment and Type I purification kit options are available to accommodate a variety of usage requirements. An AQUA SOLUTIONS professional can help you determine the best configuration for your specific application.

A built-in circulation pump provides continuous circulation to maintain water purity. 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-2000-01AL

RODI-2000-03AL



RO SPECIFICATIONS

Rated capacity: one Gal/minute at 77° F (RODI-2000-01AL)
 Rated capacity: two Gal/minute at 77° F (RODI-2000-03AL)
 Max. TDS in feed water (PPM): 1,000
 Nominal operating pressure (PSIG): 100
 Tap Water Inlet: 3/4" NTP
 System width (inches): 36
 System depth (inches): 19
 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:

- 1 CNBB27525MP - 20" 75/25-Micron Prefilter Cartridge
- 1 CNBB2005PP - 20" 5-Micron Prefilter Cartridge
- 1 CCBB2020 - 20" 1-Micron Carbon Prefilter Cartridge
- 1 or 2 CR4040-HF4 - Reverse Osmosis Cartridge

DI SPECIFICATIONS:

Purity: 2-18.2 megohm-cm
 Flow Rate: 8-12 Liters/minute
 TOC: < 10 ppb
 UV: Oxidizer/Sterilizer
 Circulation pump: Internal

Type I Purification Kits: Required

- 2635M1L-A: Single DI Module (7" Dia X 37" H)
- 2635M2L-A: Two DI Modules (7" Dia X 37" H)

STORAGE TANK :

ROT-200 26"Dia x 48" H

Type II DI Pre-Treatment: Optional

- 2635S1-RO: Single DI Module (7" Dia X 37" H)
- 2635S2-RO: Two DI Modules (7" Dia X 37" H)

