

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.
- ◆ 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 Low TOC 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 dual wavelength UV oxidizer/sterilizer reduces TOC levels to ,10-PPB, 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.

AQUA SOLUTIONS, INC.

8 Old Burnt Mountain Road
Jasper, GA 30143 USA

Phones: 706-692-9200
800-458-2021

Fax: 706-692-9203

E-mail: mail@AquaA.com

Internet: www.AquaA.com

See Page 2 for system specifications and ordering information.

RODI-2000-01BL RODI-2000-03BL



RO SPECIFICATIONS:

Rated capacity one Gal/minute at 77° F (RODI-2000-01BL)	
Rated capacity two Gal/minute at 77° F (RODI-2000-03BL)	
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	<10 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
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Purification Kits:

2635M1L-A:	1 Module
2635M2L-A:	2 Module

UV Lamp:

UV2006LX8:	UV Oxidizer Lamp
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STORAGE TANK :

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