

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.
- ◆ 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 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 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 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 Sterilizer 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-2000-01AU

RODI-2000-03AU



RO SPECIFICATIONS

Rated capacity: one Gal/minute at 77° F (RODI-2000-01AU)

Rated capacity: two Gal/minute at 77° F (RODI-2000-03AU)

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 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:	50 ppb
UV:	Sterilizer
Circulation Pump:	Internal

Type I Purification Kits: **Required**

- 2635MIT-A:** **Single DI Module** (7" Dia X 37" H)
- 2635M2T-A:** **Two DI Modules** (7" Dia X 37" H)

STORAGETANK:

- 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)

