

Features & Benefits

- ◆ Meets UL, CSA, and CE Mark Specs.
- ◆ Produces 2-15 Megohm-cm DI water from ordinary tap water.
- ◆ Meets or exceeds ASTM, CAP, & CSLI Specifications for Type II water.
- ◆ Includes purity monitor with flashing red LED alarm.
- ◆ Price includes built-in sediment and activated carbon prefilter cartridge.
- ◆ Prefilter cartridge and DI modules can be replaced in less than 5-minutes.
- ◆ Power supply accepts 100-240 VAC, 50/60 Hz, at 2.5 Amps.
- ◆ Safe, low-voltage (12 VDC) internal operation.
- ◆ User installable & serviceable.
- ◆ Made in the USA.

Optional Blending Valve Upgrade

◆ RO-T2BV

Includes a built in blending valve and additional conductivity sensor. This allows the user to manually adjust the purity of the product water (to < 1 megohm-cm) by mixing RO water with DI water. This upgrade is ideal for feed water to humidity chambers and glassware washers that could be damaged by aggressive, high resistivity DI water.

AQUA SOLUTIONS, INC.

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Product Availability

AQUA SOLUTIONS Model RODI-T2 and RODI-T2-H Reverse Osmosis plus Type 2 DI Systems dispense 2-15 Megohm-cm Type II or Type III Reagent Grade DI water at a flow rate of 4-5 LPM.



The systems include built-in 10 or 20 LPH reverse osmosis (RO) pretreatment to reduce operating costs by as much as 90%, while allowing the system to run on virtually any quality potable water. The RO purified water is stored in a 42-Liter pressurized storage tank.

The RODI-T2 and RODI-T2-H RO+DI systems are self-contained units, with the cabinet measuring just 20" wide by 20" high by 12" deep. The systems require tap water, a drain, and a grounded 100-240 VAC, 50-60 Hz electrical outlet in order to operate. They can be bench, shelf or wall-mounted up to 20 feet away from the points of use. An LCD purity monitor provides a continuous readout of the purified water quality in micro-seimens/cm. The monitor's red LED flashes whenever the water quality falls below 0.48 micro-seimens/cm (~2 megohm-cm). The monitor can be located anywhere within ~6 feet of the system. The combination sediment and activated carbon prefilter cartridge and DI modules can be replaced in minutes without the use of tools. The exhausted DI module is then returned to the factory where they are refilled with ion exchange ("DI") resin.

Model RODI-T2 includes 1 installed plus 1 spare 2613DI module. *The High-Capacity Model RODI-T2-H* includes 2 installed plus 1 spare 2618DI module.

During operation, a quiet, 12 VDC pump continuously circulates purified water through the DI modules and purity monitor on its way out to the points of use, and back into the system. The quality of the purified water is maximized by this recirculation process, *which does not diminish the capacity of the DI modules*. A variety of dispensing options are available, including Teflon Remote Dispensers, Gooseneck Faucets, and various outlet valves.

These systems are ideally suited for providing high-quality DI water to laboratory analyzers and glassware washers at competitive prices!

Optional Meter Upgrade Part #: M-6AQ-UPGRADE

The system is also available with a premium quality built-in conductivity/resistivity monitor with a red and green LED. It includes a user adjustable set point and is ideally suited for users that prefer to operate the system at a higher resistivity (~2-15 Megohm-cm).



Brochure Number: RODI-T2

MJS
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Model RODI-T2 and RODI-T2-H RO+ Type II or Type III DI Systems



Model Number General Description

- RODI-T2** **AQUA SOLUTIONS** model **RODI-T2, 10-LPH Reverse Osmosis plus Type 2 DI System** for operation on **ordinary tap water** containing up to 1,000 ppm of TDS (total dissolved solids). The 12 VDC system accepts 100-240 VAC, 50-60 Hz input power at <2.5 Amps. The system includes a CCI 050 high-capacity Activated Carbon/Sediment prefilter cartridge and two 2613DI Type II DI Modules (1 installed plus 1 spare).
- RODI-T2-H** **AQUA SOLUTIONS** model **RODI-T2-H, High-Capacity 20-LPH Reverse Osmosis plus Type 2 DI System** for operation on **ordinary tap water** containing up to 1,000 ppm of TDS (total dissolved solids). The 12 VDC system accepts 100-240 VAC, 50-60 Hz input power at <2.5 Amps. The system includes a CCI 050 high-capacity Activated Carbon/Sediment prefilter cartridge, and three 2618DI Type II DI Modules (2 installed plus 1 spare). The DI modules sit next to the cabinet.

The systems include one (or optionally two) reverse osmosis (RO) cartridges, which are replaced as required. The RO cartridge has an estimated service life of 2-3 years under normal usage, provided that the activated carbon prefilter cartridge is replaced whenever the DI modules are replaced. The systems are designed to provide a source of Type 2, Type 3, or better deionized water to one or more points-of-use and/or laboratory analyzers.

Optional Accessories

- M-6AQ-UPGRADE** *Optional* Built-in conductivity/resistivity monitor with digital display and adjustable set point.
- ROC- 1020CU** *Optional* Second RO Cartridge - Increases RO production to 20 LPH (Model RODI-T2 only)
- 2700R** *Optional* Recirculating Teflon Remote Dispenser with 0.2 micron (absolute) Final Filter Capsule.
- 2701-DISP** *Optional* Teflon Remote Spray Gun for Spraying or Rinsing.
- 261 5F** *Optional* High-Quality, Polypropylene Gooseneck Faucet.
- ROT- 130TU-042** *Optional* Upgrade from 42 Liter RO Storage Tonk to 130 Liter RO Storage Tonk.
- ROT-200TU-042** *Optional* Upgrade from 42 Liter RO Storage Tank to 200 Liter RO Storage Tank.
- UV2006S2** *Optional* Ultraviolet (UV) Sterilizer.

System Specifications



- System dimensions: 20" wide by 12" deep by 20" high
- System operating/shipping weight: -50-75 lbs
- Input power to AC Adaptor at 100/240 VAC, 50/60 Hz: <2.0 Amps
- System operating power from AC Adaptor at 12 VDC: <2.5 A
- Minimum/maximum acceptable water inlet pressure: 20 to 70 PSI
- Maximum allowed total dissolved solids (TDS) in tap waterfeed: 1,000 PPM
- RO Production: 10-20 LPH (RODI-T2) or 20-LPH (RODI-T2-H)
- Maximum purified water flow rate: 4-5 Liters/min
- Water purity: 0.067 - 0.48 micro-seimens/cm (2-15 Megohm-cm)
- Standard Purity monitor: Digital conductivity meter with 0.48 µS (2-Megohm-cm) set point and red LED alarm
- Ion exchange capacity as CaCO₃ to a 0.02-Megohm end point:
- Model RODI-T2** -2,000 grains
- Model RODI-T2-H** -6,000 grains
- RO storage capacity: 42 Liters Standard; 30, 130, or 200 Liters Optional
- Consumables: 10" Activated carbon prefilter cartridge - part number (all models): CCI 050
- Mixed bed DI module refill - part number (**model RODI-T2 only**): 2613DIR
- Mixed bed DI Module refill - part number (**model RODI-T2-H only**): 2618DIR
- RO membrane - part number (all models): CR181 2H1
- Replacement pump part number: 2000CP-12VDC
- AC power adaptor part number: TR-12VDC-2.5AMP
- Placement..... Indoors where the temperature ranges between 10 and 40 degrees Centigrade

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