

## 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.**

## 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. A purity monitor light assembly, monitors water quality. When the monitor light is green, the water quality is greater than (two) 2 Megohm-cm. When the monitor light continuously flashes red and an audible alarm is heard, the water quality is less than (two) 2 Megohm-cm. When lit, the RED LED generally indicates that the DI module is exhausted and should be replaced. 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 2713DI 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).



## 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](mailto:mail@AquaA.com)

Internet: [www.AquaA.com](http://www.AquaA.com)



# 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 CC1050 high-capacity Activated Carbon/Sediment prefilter cartridge and two 2713DI 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 CC1050 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-R-06** ..... *Optional* Teflon Remote Spray Gun for Spraying or Rinsing.
- 2615F** ..... *Optional* High-Quality, Polypropylene Gooseneck Faucet.
- ROT-130TU-042** ..... *Optional* Upgrade from 42 Liter RO Storage Tank to 130 Liter RO Storage Tank.
- ROT-200TU-042** ..... *Optional* Upgrade from 42 Liter RO Storage Tank to 200 Liter RO Storage Tank.

## 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 100 PSI
Maximum allowed total dissolved solids (TDS) in tap water feed:	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 $\mu$ S (2-Megohm-cm) set point and red LED alarm
Ion exchange capacity as CaCO <sub>3</sub> to a 0.02-Megohm end point:	
<i>Model RODI-T2</i>	~3,000 grains
<i>Model RODI-T2-H</i>	~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):	CC1050
Mixed bed DI module refill - part number ( <i>model RODI-T2 only</i> ):	2713DIR
Mixed bed DI Module refill - part number ( <i>model RODI-T2-H only</i> ):	2618DIR
RO membrane - part number (all models):	CR1812H1
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