

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

## Features & Benefits

- ◆ Meets UL, CSA, and CE Mark Specs.
- ◆ Produces 2-15 Megohm-cm DI water from ordinary tap 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 RO DI-T2 and RO DI-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 3-4 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 pressurized storage tank.

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

A variety of dispensing options are available, including Teflon Remote Dispensers, Gooseneck Faucets, and various outlet valves.

When exhausted, the DI modules are returned to the factory where they are refilled with new (not regenerated) ion exchange ("DI") resin. The combination sediment and activated carbon prefilter cartridge and DI modules can be replaced in less than 5-minutes.

The RO DI-T2 and RO DI-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 ~ 2 Megohm-cm. The monitor can be located anywhere within ~ 6 feet of the system.

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.

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



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# Model R O DI-T2 and R O DI-T2-H R O + Type II or Type III DI Systems

## Model Number      General Description

- R O DI-T2** ..... **AQUA SOLUTIONS** model **R O DI-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 2613DI Type II DI Modules (1 installed plus 1 spare).
- R O DI-T2-H** ..... **AQUA SOLUTIONS** model **R O DI-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 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

- R O C-1020CU** ..... **Optional** Second RO Cartridge - Increases RO production to 20 LPH (Model R O DI-T2 only)
- 2700R** ..... **Optional** Recirculating Teflon Remote Dispenser with 0.1 micron (absolute) Final Filter Capsule.
- 2701-DISP** ..... **Optional** Teflon Remote Spray Gun for Spraying or Rinsing.
- 2614F** ..... **Optional** High-Quality, Polypro-Lined 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.
- UV2006S** ..... **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 water feed:	1,000 PPM
RO Production:	10-LPH (R O DI-T2) or 20-LPH (R O DI-T2-H)
Maximum purified water flow rate:	3-4 Liters/min
Water purity:	2-15 Megohm-cm
Purity monitor:	LCD readout in µS/cm with flashing red LED alarm
Ion exchange capacity:	
<b>Model R O DI-T2</b> .....	~ 2,000 grains as CaCO <sub>3</sub>
<b>Model R O DI-T2-H</b> .....	~ 6,000 grains as CaCO <sub>3</sub>
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 (all models):	2613DIR
Mixed bed DI Module refill - part number ( <b>model R O DI-T2-H only</b> ):	2618DIR
Replacement pump part number:	2000CP-12VDC
Purity monitor part number:	M-PRONTO-C O N
AC power adaptor part number:	TR-12VDC-2.5AMP
Placement	Indoors where the temperature ranges between 10 and 40 degrees Centigrade