

Features and Benefits

Produces 2 Liters/min J8.2 Meg Type I water

Analytical, biological, ultra-low TOC models

Costs less than individual R O & DI systems

System runs on 12 VDC internal operation

Exceeds ASTM, CAP, CLSI & USP Specs

Accepts J00-240 VAC, 50/60 Hz power

Certified by CSA for the US & Canada

Can be bench, shelfor wall-mounted

Meets latest USP water specifications

CE marked for export to Europe, Etc

Remote dispenser included in price

2-Year warranty- (most Countries)

User installable and serviceable

0. 22 micron final filter capsule

DI modules can be recycled

Complete instrumentation

Fully automatic operation

Continuous recirculation

Made in the USA

Options and Upgrades

Add a UV Sterilizer

Provide R O or Type II/III DI water

Upgrade RO capacity to 20 Liters/hour

Upgrade RO storage tank to 130-200 Liters





www.AquaA.com

Type I Compact - Combination Reverse Osmosis + Type I DI Systems

Product Availability

AQUA SOLUTIONS Compact
Reverse Osmosis (RO) plus Type I
DI Systems combine a I O or 20
Liter/hour Reverse Osmosis Pretreatment System with a 2-Liter/
minute Analytical, Biological, Ultralow T O C Analytical, or Ultra-Low
T O C Biological grade Type I DI
system, all enclosed in a single
cabinet. Analytical and biological
models are available with an
optional built-in UV sterilizer.



These systems produce purified water that meets or exceeds ASTM, CAP, CLSI, and USP specifications for Type I reagent grade water.

The Compact RO+DI System should be considered whenever:

A Central DI System is either not available, or not planned, at any given site, and/or

Incoming tap water contains more than 170 parts per million (PPM) of total dissolved solids, and/or

Type I purified water usage exceeds 20 liters per week.

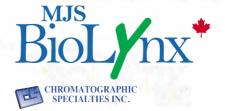
Under these conditions, the RO + DI system can produce better quality water *at lower cost* than systems without built-in RO pretreatment.

This system is ideally suited for applications where the existing central RO, DI or distillation pretreatment system is unreliable, overloaded (with regard to capacity), or nonexistent in a particular location. It is also suitable for applications where either space or funding limitations preclude purchasing separate RO and Type IDI systems.

The RO portion of the system features *fully automatic operation*. It includes an activated carbon prefilter, product and reject flow meters, one or two TFC (thin film composite) high-capacity RO cartridges, and an external 30, 42, 130, or 200 Liter pressurized tank for storing the RO purified water for later use by the DI system.

The Type I DI portion of the system features a high-purity T O C reduction and DI polishing module, *continuous recirculation*, a digital resistivity monitor that meets USP specifications, a remote dispenser, and a 0.22 micron (absolute) final filter capsule.

AQUA SOLUTIONS Compact Reverse Osmosis plus Type I Reagent Grade DI Systems offer features and benefits not found on many other systems. *And, they are very competitively priced/*





Type | Combination

Reverse Osmosis + Type I DI Systems



<u>Model Number</u>	General Description

RODI-C-I 2A Compact, combination Reverse Osmosis plus Type I*Analytical* Grode DI System for operation on any quality tap water. Requires *Purification Kit* Number *2613M 1T-A* (not included in system price). Kit includes high purity TOC reduction DI module and a final filter capsule.

RODI-C-I 2AU Identical to Model RODI-C-I 2A above, except it includes a built-in Ultraviolet (UV) Sterilizer to prevent the growth of microorganisms within the system.

RODI-C-1 2AL Compact, combination Reverse Osmosis plus Type I *Ultra-low TOC Analytical Grade* DI System for operation on any quality tap water. The system includes a *built-in, dual-wavelength UV Oxidizer/Sterilizer* to reduce TOC to the lowest possible levels, while preventing the growth of microorganisms within the system. Requires *Purification Kit Number 2613M 1L-A* (not included in system price). Kit includes a high purity TOC reduction DI module and a final filter capsule.

Note:Models RODI-C-12B, I 2B U, and I 2B L (described below) include a built-in Ultrafilter to provide a 4-6 log reduction of pyrogen, endotoxin, DNase, and RNase, resulting in Type I water that is pyrogen/endotoxin free and has no DNase or RNose activity.

RODI-C- 12B Compact, combination Reverse Osmosis plus Type I *Biological Grade* DI System for operation on any quality tap water. *Requires Purification Kit* Number 2613M 1T-A (not included in system price). Kit includes high purity TOC reduction DI module, and a final filter capsule.

RODI-C-12BU Identical to Model RODI-C-12B above, except it includes a *built-in Ultraviolet (UV) Sterilizer* to prevent the growth of microorganisms within the system.

RODI-C- I 2BL Compact, combination Reverse Osmosis plus Type I *Ultra-low TOC Biological Grade* DI System for operation on tap water. The system includes both a *built-in Ultrafilterto* provide a 4-6 log reduction of pyrogen, endotoxin, DNase, and RNase, and *a built-in, dual-wavelength UV* Oxi-dizer/Sterilizer to reduce TOC to the lowest possible levels, while preventing the growth of microorganisms within the system. *Requires Purification Kit Number 2613M 1L-A* (not included in system price). Kit includes a high purity TOC reduction DI module and a final filter capsule.

Overall System Specifications

CE

RO System Specifications

Nominal RO flow rate	I O or 20 Liters/hou
Maximum allowable TDS in feed v	vater 1,000 PPM
RO recovery rote	25-33%
RO membrane type	TFC (thin film composite)
RO product & reject flowmeters .	included
RO storage tonk Liner	Polypropylene
RO storage tank weight (full)	I 00-125 lbs (45-57 kg)
RO storage tonk size 15.5" (394 mm) dio by 25" (508 mm) toll
(on optional 130 or 200 Liter	r RO storage tonk is available)

Type I DI System and Purified Water Specifications

lon Exchange (DI) capacity	2,000 groins as CoCO3
Resistivity	18.2 Megohm-cm
Bacteria	< 1 du/ml
TOC (models AL and BL)	<5 PPB
TOC (models A, AU, B & BU)	<50 PPB
Endotoxin (models B, BU, and BL)	
RNose (models B, BU, and BL)	, <0.01 ng/ml
DNose (models B, BU, and BL)	
Flow rate	2-Liters/minute
0.22 micron final filter capsule	included
Recirculation	continuous

BIOL INX CHROMATOGRAPHIC

© CapyliPht 1990 -2012 AQUA SOLUTIONS, Inc.



SPECIALTIES INC.