Type I Ultra-Low TOC Analytical Grade DI Systems



Water purification, pure and simple ™

AQUA SOLUTIONS

Features and Benefits

- Produces 18 Megohm-cm Type I water
- ◆ Ultra-Low trace organics (TOC <3 PPB)
- Exceeds ASTM, CAP, NCCLS & USP Specs
- Accepts 100-240 VAC, 50/60 Hz power
- System runs on 12 VDC internal power
- Certified by CSA for the US & Canada
- Can be bench, shelf or wall-mounted
- CE marked for export to Europe, Etc
- Remote dispenser included in price
- 2-Year warranty (Most Countries)
- Meets current USP specifications
- User installable and serviceable
- 0.1 micron final filter capsule
- DI modules can be recycled
- Complete instrumentation
- Fully automatic operation
- Continuous recirculation
- Made in the USA





AQUA SOLUTIONS, INC. 8 Old Burnt Mountain Road Jasper, GA 30143 USA Phones: 706-692-9200

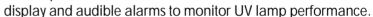
800-458-2021

Fax: 706-692-9203
E-mail: mail@AquaA.com
Internet: www.AquaA.com

Product Availability

AQUA SOLUTIONS Type I Ultra-Low TOC Analytical Grade DI Systems produce Type I reagent grade water that meets or exceeds ASTM, CAP, NCCLS, and USP specifications.

These systems include a built-in, dual-wavelength ultraviolet (UV) oxidizer/sterilizer to reduce TOC to < 3 PPB). The UV includes an LED



They are recommended for laboratory applications requiring Type I water that contains little, if any, TOC (trace organic carbon).

Chemical Applications include AA, GC, HPLC, IC, ICP, IR, MS, heavy or trace metals, environmental testing, TOC, TOX, TCLP, VOC, electrochemistry, and toxicity testing, where ultra-low TOC Type I water is required.

Biological Applications include those that are sensitive to TOC, (where endotoxin/pyrogen levels are NOT critical).

AQUA SOLUTIONS Type I DI systems dispense purified water at the rate of 2-3 Liters/minute. Higher flow rate systems (6-10 Liters/minute) are available.

AQUA SOLUTIONS Ultra-Low TOC analytical grade systems are designed to operate on ordinary tap water, or water that has been pretreated via reverse osmosis, distillation, or deionization by a central or point-of-use system.

For those installations where the incoming tap water feed contains more than 170 ppm of TDS (total dissolved solids), and/or the average daily purified water usage exceeds 20 Liters/day, reverse osmosis (RO) pretreatment should be considered (see next paragraph).

AQUA SOLUTIONS Type I Ultra-Low TOC DI Systems can also be purchased with a built-in 10 or 20 Liter/hour RO pretreatment system, all in a single cabinet measuring just 20" (508 mm) wide by 20" (508 mm) high by 12" (305 mm) deep - see page 2 for details!

And, if more RO capacity is required to feed multiple systems, or other applications, individual AQUA SOLUTIONS RO systems are available in 10, 20, 30, and 60 Liter/hour and higher configurations.

AQUA SOLUTIONS Type I Ultra-Low TOC Systems offer many features and benefits, and higher capacities that are not found on many other systems. And, they are very competitively priced!

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Brochure Number: T1-AL

Type I Ultra-Low TOC Analytical Grade DI Systems General Description & Specifications



Water purification, pure and simple ™

Model Number (General Descri	iption - Tvp	e I DI Svstems

has been pretreated via reverse osmosis, distillation or deionization by a central or point-of-use

pretreatment system, and contains less than 20 ppm of total dissolved solids).

Requires Purification Kit Number 2613M1L (not included in system price). Kit includes activated

carbon prefilter capsule, high purity TOC reduction DI module, and final filter capsule.

Type I Ultra-Low TOC Analytical Grade DI System for operation on ordinary tap water containing

up to 170 ppm of TDS (total dissolved solids).

Requires Purification Kit Number 2613M2L (not included in system price). Kit includes activated

carbon prefilter capsule, two high purity TOC reduction DI modules, and final filter capsule.

Upgradeability Any of these systems can be field upgraded or modified to become any other Type I system.

Model Number General Description - Combination Reverse Osmosis plus Type I DI Systems

RODI-C-12AL Combination Reverse Osmosis plus Type I Ultra-low TOC Analytical Grade DI System.

> Requires Purification Kit Number 2613M1L-A (not included in system price). Kit includes high purity TOC reduction DI module, and a final filter capsule. See brochure RODI-C for details.

More information For Basic Analytical Grade Systems, request brochure #: T1-A.

For Biological Grade Systems, request brochure #: T1-B.

For Ultra-Low TOC Biological Grade Systems, request brochure #: T1-BL.

For Combination Reverse Osmosis plus Type I DI Systems, request brochure #: RODI-C.

For Reverse Osmosis and/or Type II DI Systems, request brochure #: T2-RO.

For High Flow (8-12 Liters/minute) Systems, contact your sales person.

System and Purified Water Specifications

DI capacity 2121AL and RODI-C 12AL*2,000
DI capacity 2122AL*4,000
*(grains of ion exchange capacity as CaCO ₃)
Resistivity
TOC
Bacteria<1 cfu/ml
Continuous flow rate
Cabinet depth 12" (305 mm)
Cabinet width
Cabinet height
External power supply input 100-240 VAC, 50/60 Hz
Internal power 12 VDC @ 2.5 Amps from external supply
Minimum inlet pressure
Maximum inlet pressure 100 PSIG (6.7 Bar)
Shipping weight
Operating weight 55-70 lbs (25-32 kg)
Inlet connection 1/4" or 3/8" NPT

