

High Flow DI Systems Type I Analytical Grade

Features & Benefits

- ◆ 18.2 megohm-cm water
- ◆ Continuous recirculation
- ◆ Complete instrumentation
- ◆ Bench, shelf or wall-mount (cabinet only)
- ◆ Floor-mounted DI modules
- ◆ DI modules can be recycled
- ◆ Dispensing valve with 0.22-Micron high capacity final filter
- ◆ User installable & serviceable
- ◆ Highest capacities & flow rates
- ◆ Built-in activated carbon prefilter
- ◆ One year warranty
- ◆ Made in the USA

General Description

AQUA SOLUTIONS High Flow/High Capacity Type I Analytical Grade DI Systems produce water that exceeds ASTM, CAP and CLSI specifications for Type I reagent grade water.

They are recommended for laboratory, pilot plant and small production applications that require Type I reagent grade water.

Chemical Applications include AA, GC, HPLC, IC, ICP, IR, MS, Heavy/Trace Metals, Environmental Testing, Ammonia, Chlorine, COD, TOC, TCLP, VOC, Washing Glassware, Laser Cooling, and various pilot plant and production applications.

Biological Applications include BOD, Sterility Testing and Media Preparation (where pyrogen/endotoxin levels are NOT critical).

Analytical Grade Systems are available for operation on **ordinary tap water**, or water that is pretreated via reverse osmosis, distillation, or deionization by a central or point-of-use system.

The systems have a continuous output of up to 8-12 Liters/minute, depending on the available inlet pressure and feed flow rate, dispenser type, and operating conditions.

AQUA SOLUTIONS Type I High Flow & High Capacity Analytical Grade DI Systems offer features, benefits, higher flow rates and higher capacities not found on other systems.



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Type I Analytical Grade High Flow DI Systems



Model Number General Description

2035A **AQUA SOLUTIONS** *Type I High Flow / High Capacity Analytical Grade DI System* for operation on water that 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

2036A **AQUA SOLUTIONS** *Type I High Flow / High Capacity Analytical Grade DI System* for operation on ordinary tap water containing up to 170 ppm of total dissolved solids. Note: If the feed water contains more than 170 ppm TDS, it can be pretreated with an **AQUA SOLUTIONS** Reverse Osmosis or Type II DI system.

2035/6AU Includes a built-in UV Sterilizer to prevent the growth of microorganisms within the system.

2035A & 2035AU require *Purification Kit Number 2635M1T or 2618M2L* (not included in system price). Kit includes a sediment pre-filter, a high purity TOC reduction DI module and a high capacity 0.22 micron final filter capsule.

2036A & 2036AU Models require *Purification Kit Number 2635M2T* (not included in system price). Kit includes an activated carbon prefilter cartridge, a high capacity DI pretreatment module, a high purity TOC reduction DI module, and a high capacity 0.22 micron final filter capsule.

Ultra-Low TOC

2035AL & 2036AL Includes a built-in dual wavelength UV Oxidizer/Sterilizer to reduce TOC levels to less than 10-PPB and prevent the growth of microorganisms within the system .

2035AL requires *Purification Kit Number 2635M1L or 2618M2L* (not included in system price) for operation on pretreated water containing less than 20 ppm of total dissolved solids. Kit includes a sediment pre-filter, a high purity TOC reduction DI module and a high capacity 0.22 micron final filter capsule.

Model 2036AL requires *Purification Kit Number 2635M2L* (not included in system price) for operation on tap water containing up to 170 ppm of total dissolved solids.. Kit includes an activated carbon prefilter cartridge, two high capacity high purity TOC reduction DI modules, and a high capacity 0.2-Micron final filter capsule.

An **AQUA SOLUTIONS** Reverse Osmosis or Type II DI Pretreatment System can be installed upstream of the Type I System at any time, to increase capacity and/or reduce operating costs.

The system’s **2635** DI Module(s) are approximately 37” tall by 7” in diameter, and are located external to and below the system cabinet (i.e., on the floor). The **2618** DI Module(s) are approximately 18” tall by 7” in diameter and can be mounted next to the system on the counter or on a shelf.

Specifications

Cabinet Depth	12”	Shipping weight	75-85 lbs
Cabinet Width	20”	Operating weight	85-95 lbs
Cabinet Height	20”	Continuous flow rate	8-12 Liters/minute
Amps @ 110/220 VAC	< 5.0	Inlet connection	1/2” NPT
Minumum inlet pressure	45 psi	DI capacity 2035 Systems	*6,000 grains
Maximum inlet pressure	100 psi	DI capacity 2036 Systems	*12,000 grains

*(ion exchange capacity as CaCO to a 0.02-Megohm end point)