

CLiR 5200

Type I, Ultra-High Purity Water for Trace Organics



Ultra High-Purity Lab Water with UV Oxidation Technology for use with:

High Performance Liquid Chromatography (HPLC)

Gas Chromatography Mass Spectrometry (GC/MS)

Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analytic Chemistry / Trace Organics



RESINTECH[®] INC.

INNOVATIONS IN ION EXCHANGE

THE CLiR 5200 SYSTEM

Designed specifically for trace organics and analytic chemistry applications requiring low organics and bacteria, the CLiR 5200 delivers **2.5 LPM of Type I, 18.2 Megohm water quality on demand**. The water is purified using a staged purification process which includes high-purity ion exchange resins to remove dissolved minerals, and ultraviolet light for bacteria sterilization and TOC reduction. As the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.

The CLiR 5200 uses a dual wave length technology to reduce organics and sterilize bacteria at the same time. Certain applications like HPLC and LC, require ultrapure water with TOC levels less than 5 ppb. The water is typically used in the preparation of mobile phase preparation, creating blanks, and sample dilution. For trace metals analysis, ICP-OES / ICP-MS require the organic and ionic purity for their dilution and dissolution processes.

CONDITIONING CARTRIDGE

POLISHING CARTRIDGE

UV OXIDATION

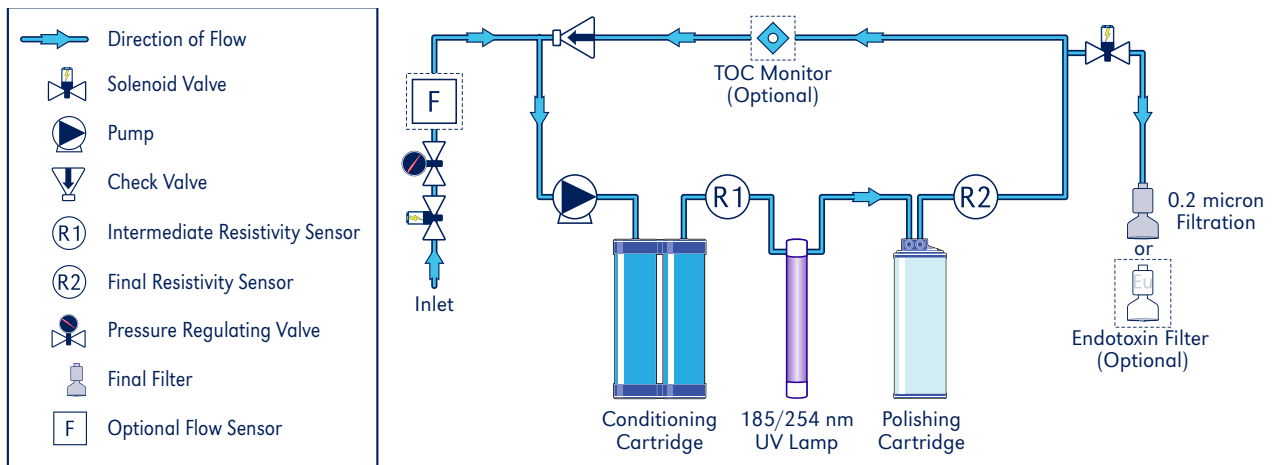
0.2 MICRON

Performance Specifications

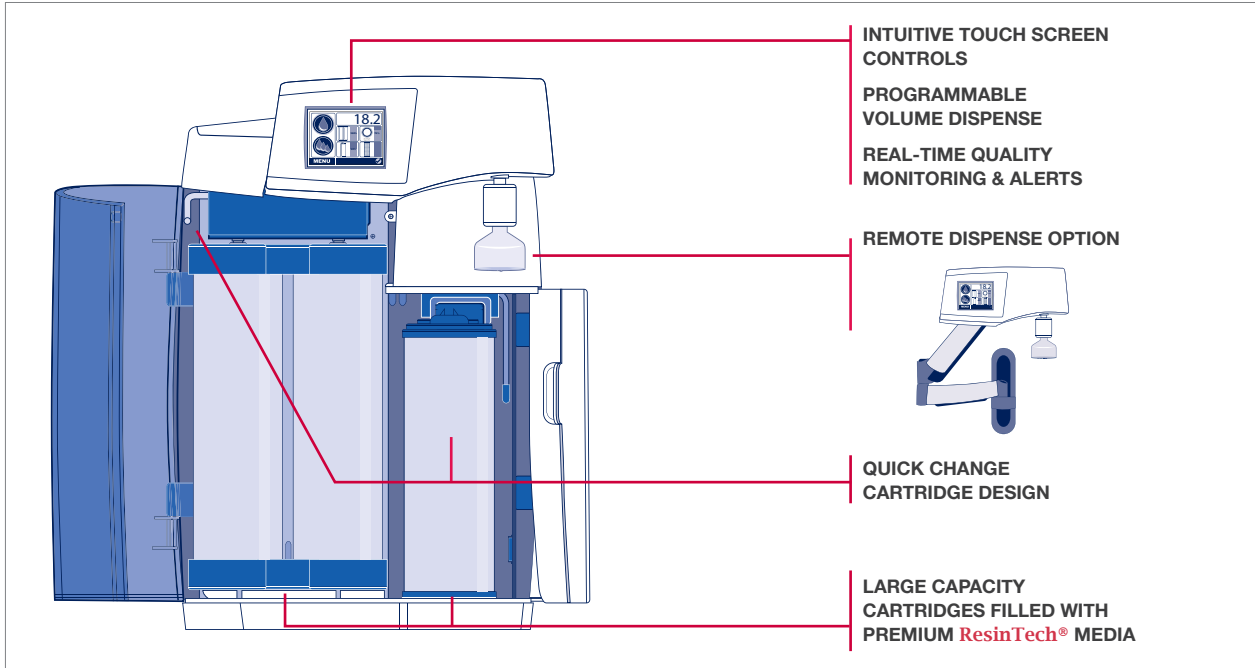
Resistivity	18.2 MΩ-cm
Bacteria	< 1 cfu/ml
Particulates	< 0.2 μm filtration
TOC	< 5 ppb

*Performance based upon RO / DI or Distillation Feed
(< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration)
Includes Endotoxin Removal Capsule Filter*

SYSTEM FLOW



SYSTEM HIGHLIGHTS



THE BEST VALUE IN REPLACEMENT CONSUMABLES



PART #	CLiR 5200 TYPE I WATER SYSTEM
CLS-5200-S-1	Benchtop - with UV Oxidation Lamp installed, 120V/60Hz
CLS-5200-R-1	Remote Dispense Configuration - with UV Oxidation Lamp, 120/60Hz
CLS-5200-S-2	Benchtop - with UV Oxidation Lamp installed, 220V/50Hz
CLS-5200-R-2	Remote Dispense Configuration - with UV Oxidation Lamp, 220/60Hz

PART #	ACCESSORIES
CLA-5000-DF	Direct Feed Port
CLA-5000-DG	Recirculating Dispensing Gun
CLA-5000-WB	Wall Mount Bracket

PART #	CARTRIDGES & FILTERS
CLF-5000-C1	Dual Conditioning Cartridge (RO Feed)
CLF-5000-C2	Dual Conditioning Cartridge (SDI / TAP Feed)
CLF-5000-P1	Polishing Ultrapure Cartridge
CLF-5000-P2	Polishing Ultrapure Low Organics Cartridge
CLF-XX-6402	0.2 Micron Capsule Filter - 1/4" MNPT x 1/4" hose barb
CLF-5000-02E	0.2 Micron Endotoxin Removal Capsule Filter - 1/4" MNPT x 1/4" hose barb

PART #	OTHER CONSUMABLES
CLX-5000-016	UV Bulb 254/185nm TOC Destruct
CLX-5000-017	Sanitization Kit (includes cartridges, test strips, and gloves)

NOTE: Conditioning cartridge, polishing cartridge and final filters are sold separately.

SYSTEM SPECIFICATIONS

Dimensions (H x W x D)

Height:	21.6 in.	(54.8cm)
Width:	14.7 in.	(37.0cm)
Depth:	14.4 in.	(36.5cm)

Weight

Dry	42 lbs.	(22.7 kg)
Operating	47 lbs.	(25.0 kg)

Inlet Connection

O.D. Tubing	3/8"	(9.53 mm)
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Power Requirements

120 VAC/ 60 Hz @ 1.0 amp

Pressure

20 PSIG min. — 90 PSIG max.

Max Temperature 100°F (30°C)

Flow Rate (Typical)

2.5 LPM (0.67 GPM)

<2.0 LPM with Endotoxin filter installed

CALL **856.768.9600**

OR EMAIL info@resintech.com

FilterWorks is a division of ResinTech, Inc., a global leader in ion exchange technology.

All media, cartridges and systems are lot-numbered and manufactured in state-of-the-art facilities in the U.S.A. under ISO standards.