

CLiR 5100

Type I, Ultra-High Purity Water for General Lab Applications



Ultra-High Purity Lab Water for use with:

General Chemistry

Academia

Buffer Solutions



RESINTECH INC.

INNOVATIONS IN ION EXCHANGE

THE CLiR 5100 SYSTEM

Designed for general laboratory applications, the CLiR 5100 delivers **2.5 LPM of Type I, 18.2 Megohm water quality on demand**. The water is purified using a multi-stage purification process. In the two step deionization stage, source water passes through high-purity ion exchange resins to remove dissolved minerals. A subsequent stage uses a 0.2 micron filter to remove particulates and bacteria before dispensing. The result is water that meets universally recognized Type I specifications.

The CLiR 5100's intuitive, "touch screen" display monitors system health and the remaining life of your consumables. Intermittent recirculation ensures the water inside the unit is continuously moving when not in use, mitigating any chance of bacterial growth. Programmable presets allow you to dispense frequently used volumes with speed and precision consistently. Applications include general water chemistry, reagent preparation and buffers.

CONDITIONING CARTRIDGE

POLISHING CARTRIDGE

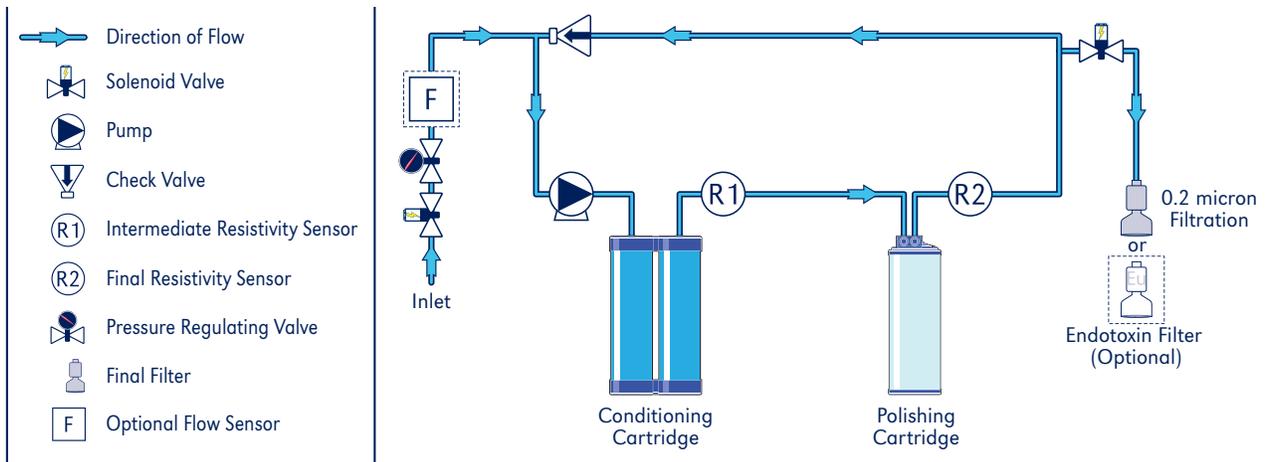
0.2 MICRON

Performance Specifications

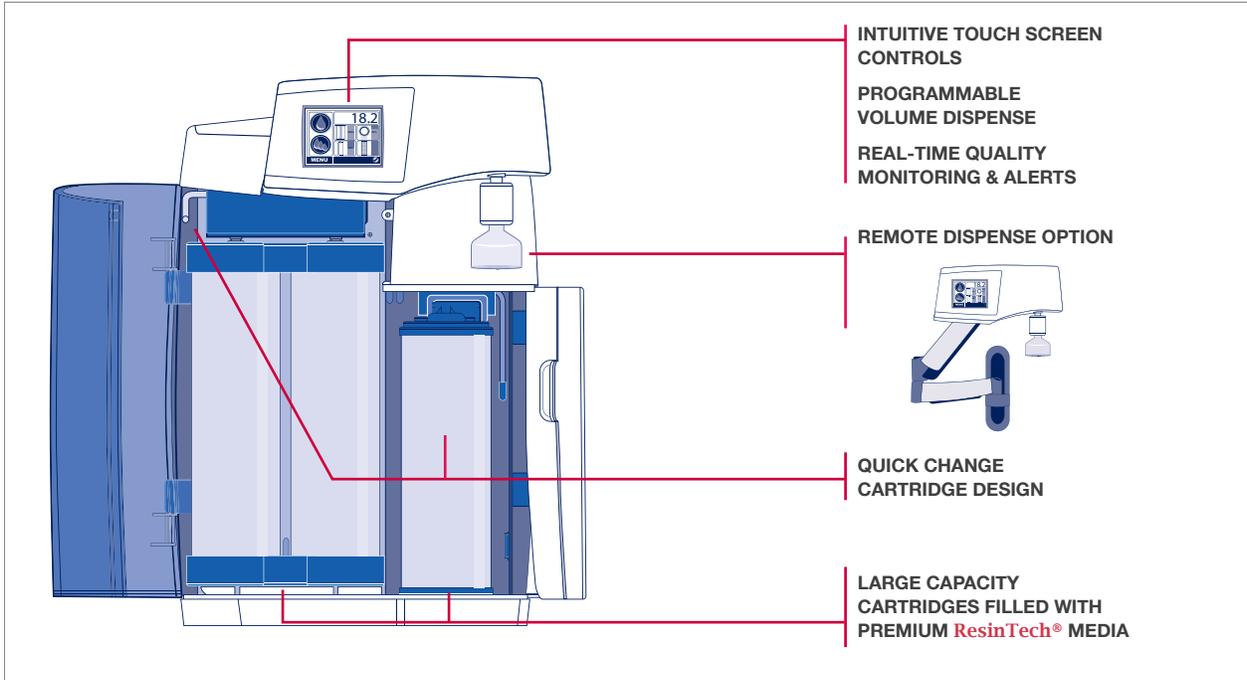
Resistivity	18.2 MΩ-cm
Bacteria	< 1 cfu/ml
Particulates	< 0.2 μm filtration
TOC	< 15 ppb

*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 5100 TYPE I WATER SYSTEM
CLS-5100-S-1	Benchtop or wall mount base system, 120V/60Hz
CLS-5100-R-1	Remote Dispense Configuration base system, 120V/60Hz
CLS-5100-S-2	Benchtop or wall mount base system, 220V/50Hz
CLS-5100-R-2	Remote Dispense Configuration base system, 220V/50Hz

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-5000-017	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)

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 ion exchange technology.

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