

CLiR 5300

Type I, Ultra-High Purity Water for Life Science



Ultra High-Purity Lab Water with Ultrafilter and 0.2 Micron Filtration Technology
for use with:

Life Science

Cell Culture

Microbiology



RESINTECH INC.

INNOVATIONS IN ION EXCHANGE

THE CLiR 5300 SYSTEM

Designed specifically for life science applications requiring low bacteria and endotoxin, the CLiR 5300 delivers **2.0 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 pyrogen removal ultrafiltration. As the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.

The CLiR 5300 incorporates hollow fiber UF technology for ultra-pure water requiring endotoxin levels below <0.005 EU/mL ideal for pathology labs, microbiology, in-vitro studies, cell tissue preparation and DNA sequencing. RNase-free water is possible with our internal filtration process which eliminates the need for Diethyl pyrocarbonate (DEPC) treatment.

CONDITIONING CARTRIDGE

POLISHING CARTRIDGE

ULTRAFILTRATION

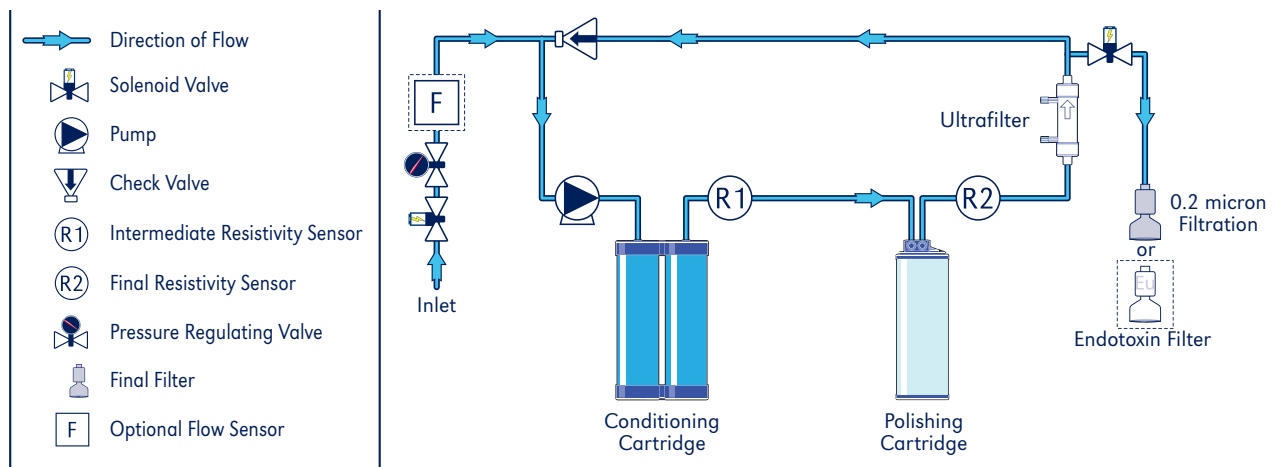
0.2 MICRON

Performance Specifications

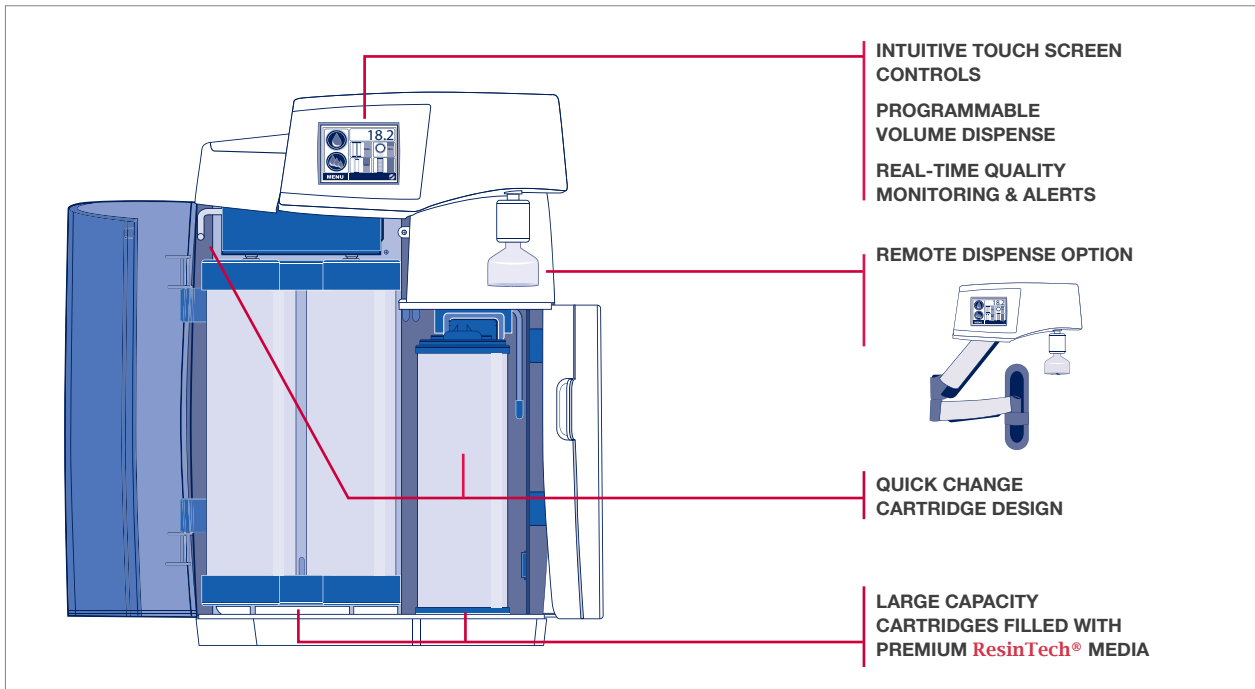
Resistivity	18.2 MΩ-cm
Bacteria	< 1 cfu/ml
Endotoxin**	<0.005 EU/ml
Particulates	< 0.05 μm filtration
TOC	< 15 ppb
RNase	< 0.01 ng/ml
DNase	< 4 pg/μl

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

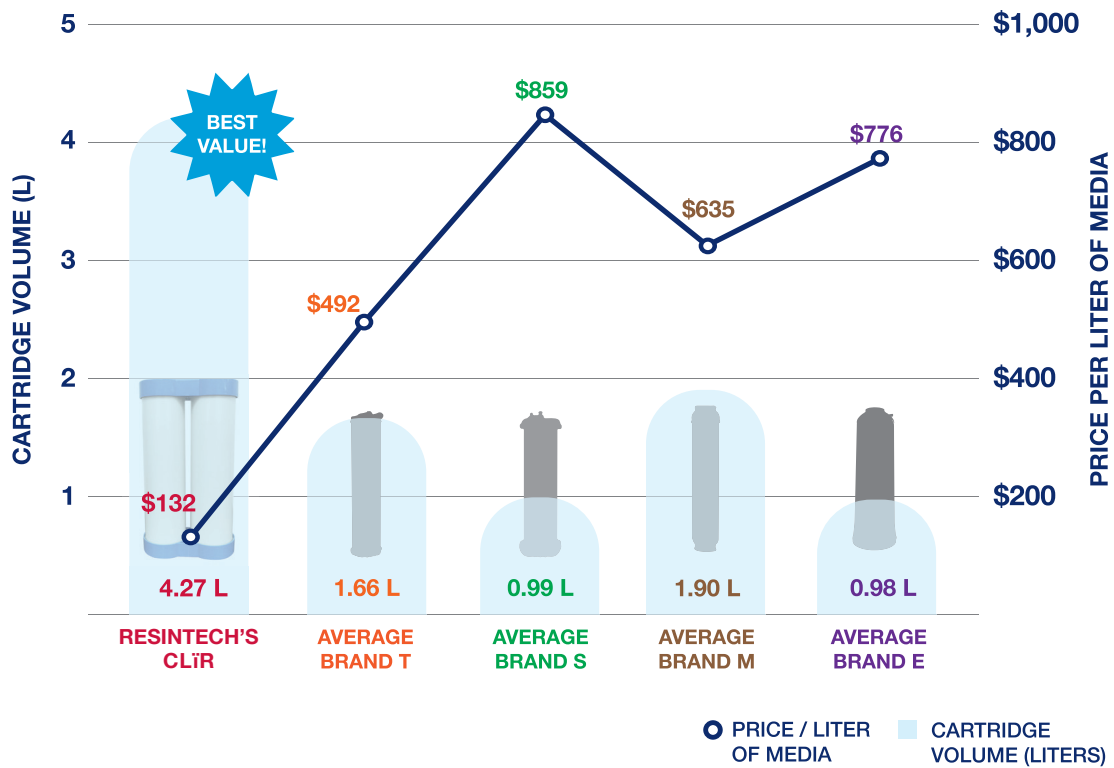
SYSTEM FLOW



SYSTEM HIGHLIGHTS



THE BEST VALUE IN REPLACEMENT CONSUMABLES



PART #	CLiR 5300 TYPE I WATER SYSTEM
CLS-5300-S-1	Benchtop - with Ultrafiltration module, 120V/60Hz
CLS-5300-R-1	Remote Dispense Configuration - with Ultrafiltration module, 120V/60Hz
CLS-5300-S-2	Benchtop - with Ultrafiltration module, 220V/50Hz
CLS-5300-R-2	Remote Dispense Configuration - with Ultrafiltration module, 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
CLF-5000-005	Ultrafilter - 3/8" Quick Disconnect Fitting
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)

2.0 LPM (0.53 GPM)

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.