

CLiR 5200 Ultrapure Lab Water System with UV Oxidation

CLiR 5200 ULTRAPURE LAB WATER SYSTEM WITH UV OXIDATION

Designed specifically for trace organics and analytic chemistry applications requiring low organics and bacteria, the CLiR 5200 delivers up to 2.5 LPM of Type I, 18.2 MΩ 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. [Cartridges and final filter sold separately.]

BENEFITS

- 2.5 lpm of 18MΩ type 1 reagent water on demand
- Intuitive, user-friendly touch-screen interface
- Real-time quality monitoring with leak detection with automatic shut-down
- Compact design with remote dispense option
- Quick change, no tools cartridge design
- Large capacity, low cost consumables cartridges
- Genuine ResinTech media
- Made in the USA



FEATURES

- Resistivity Indicator
- UV Oxidation Lamp

PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)	55cm x 37cm x 37cm [21.6in x 14.7in x 14.4in]	Dry Weight	19.1kg [42.00lbs]
		Inlet Connection	¾" O.D. Tubing

FEEDWATER REQUIREMENTS

Influent Source	Reverse Osmosis, DI	Influent Filtration	< 0.2 µm
Pressure Range	30-90 PSIG	Influent TOC	< 50 ppb
Temperature Range	4-40°C	Influent Silica	< 2 ppm
Influent Conductivity	< 20 µS/cm	Influent Free Chlorine	< 0.05 ppm

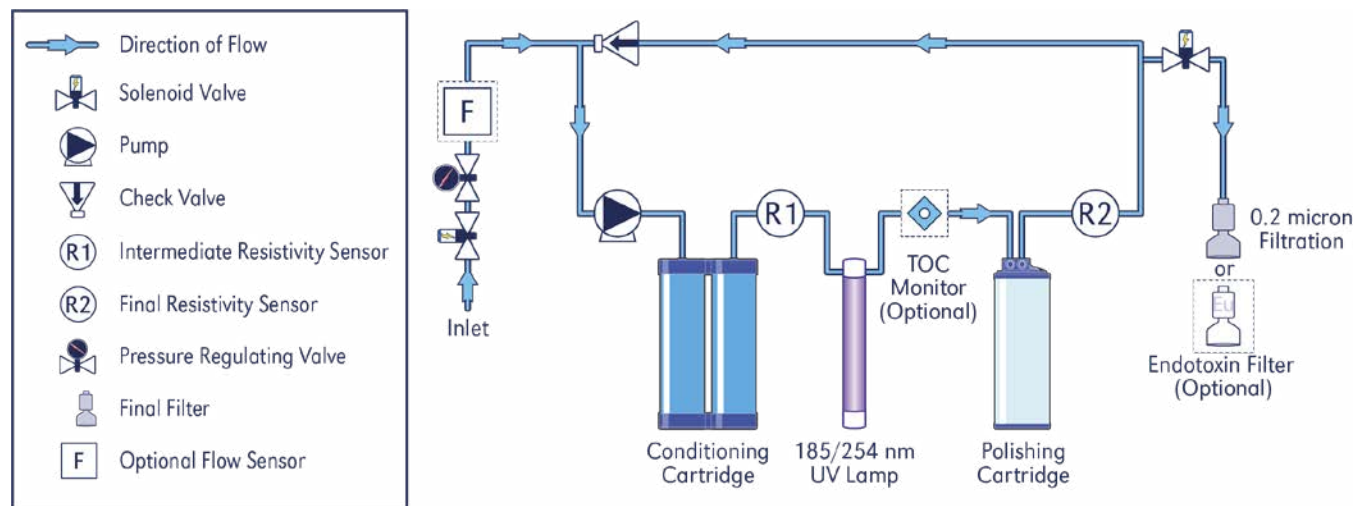
LABORATORY APPLICATIONS

Analytic Chemistry • Electrochemistry • Gas
Chromatography Mass Spectrometry (GC/MS) • High
Performance Liquid Chromatography (HPLC) • Inductively
Coupled Plasma Mass Spectrometry (ICP-MS) • Trace
Organics

EFFLUENT WATER SPECIFICATION

Effluent Resistivity	> 18 MΩ/cm	Effluent TOC	< 5 ppb
Effluent Particulates	Effluent Particulates	Effluent Bacteria	< 1 CFU / mL
Maximum Flow Rate	2.5 lpm		

FLOW DIAGRAM



ORDERING GUIDE

SKU	Configuration	TOC Monitor	Input Voltage (VAC)	Hertz	Amps
CLS-5200-S-2-TOC	Standard	TOC Monitor	220	50	0.5
CLS-5200-S-1-TOC	Standard	TOC Monitor	120	60	1.0
CLS-5200-R-2-TOC	Remote Dispense	TOC Monitor	220	50	0.5
CLS-5200-R-1-TOC	Remote Dispense	TOC Monitor	120	60	1.0
CLS-5200-R-2	Remote Dispense		220	50	0.5
CLS-5200-R-1	Remote Dispense		120	60	1.0
CLS-5200-S-2	Standard		220	50	0.5
CLS-5200-S-1	Standard		120	60	1.0

Includes:
 - ultraviolet light
 [Cartridges and final filter sold separately.]

FILTERS & CONSUMABLES

SKU	Description
CLF-5000-C1	Ultrapure Dual Conditioning Pack (RO Feed) for CLiR 5000 Series
CLF-5000-C2	Ultrapure Dual Conditioning Pack (SDI / TAP Feed) for CLiR 5000 Series
CLF-5000-P1	Ultrapure Polishing Cartridge (Std.) for CLiR 5000 Series
CLF-5000-P2	Ultrapure Polishing Cartridge (Low Organics) for CLiR 5000 Series
CLF-5000-02E	Endotoxin filter for CLiR 5000 Series Ultra-high purity water system
CLX-5000-016	UV Lamp Replacement for CLiR 5000 Series Ultra-high Water Purity System
CLX-5000-017	Sanitization Kit for CLiR 5000 Series Ultra-High Purity Water System
CLF-XX-6402	CLiR 0.2 Micron Capsule Filter - 1/4" MNPT x 1/4" Hose Barb

Consumables sold seperately.

OPTIONS & ACCESSORIES

SKU	Description
CLA-5000-WB	Wall Mounting Bracket for CLiR 5000 Series Ultra-high Purity Water System
CLA-5000-DG	Recirculating Dispensing Gun for CLiR 5000 Series Ultra-high Purity Water System
CLA-5000-DF	Direct Feed Port for CLiR 5000 Series Ultra-high Water Purity System