

CLiR 5400

HYDRA SERIES, TYPE I ULTRAURE POU WATER SYSTEM

DNA SEQUENCING
PCR
ELECTROPHORESIS

Designed specifically for genetics applications, the CLiR 5400 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, ultraviolet light for bacteria sterilization and TOC reduction, and ultrafiltration for pyrogen removal and nuclease free water. As the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



HIGHLIGHTS

- 2.0 Lpm Of 18 Megohm Type 1 Reagent Water On Demand
- Intuitive, User Friendly Touch-Screen Interface
- Real Time Quality Monitoring With Leak Detection
- Compact Design With Remote Dispense Option
- Quick Change, No Tools Cartridge Design
- Large Capacity, Low Cost Consumables Cartridges
- Genuine Resintech Media

CONFIGURATIONS

- Conditioning Cartridge
- Polishing Cartridge
- Ultrafiltration
- UV Oxidation
- 0.2 Micron Filtration

PERFORMANCE SPECIFICATIONS

- Endotoxin levels below < 0.005 EU / mL, <0.001 EU/mL with Endotoxin Final Filter
- RNase Removal < 0.01 ng/ml
- DNase < 4 pg/μl
- Max Pressure of 90 PSIG Max. / 20 PSIG Min.
- Max Temperature of 100°F (30°C)
- Resistivity of 18.2 Megohms
- Bacteria Removal of < 1 CFU / mL
- Particulates at < 0.05 μm filtration

CONFIGURATION	SYSTEM VOLTAGE	TOTAL ORGANIC CARBONS	PART NUMBER
Benchtop	120V/60Hz	< 5 ppb	CLS-5400-S-1
Benchtop	220V/50Hz	< 5 ppb	CLS-5400-S-2
Remote Dispense	120V/60Hz	< 5 ppb	CLS-5400-R-1
Remote Dispense	220V/50Hz	< 5 ppb	CLS-5400-R-2

Revision 1.2

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INSTALLED OPTIONS & ACCESSORIES†

DESCRIPTION	PART NUMBER
Direct Feed Port	CLA-5000-DF
Recirculating Dispensing Gun	CLA-5000-DG
CLiR Wall Mount Bracket	CLA-5000-WB

† Options must be preordered for factory installation

CARTRIDGES & FILTERS††

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

†† Cartridges and Filters are not included in a system and are ordered separately

CONSUMABLES

DESCRIPTION	PART NUMBER
CLiR Ultrafilter - 3/8" Quick Disconnect Fitting	CLF-5000-005
CLiR UV Bulb 254/185nm TOC Destruct	CLX-5000-016
Sanitization Kit (includes cartridges, test strips, and gloves)	CLX-5000-017

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