

CLiR 5400

HYDRA SERIES, TYPE I ULTRAURE POU WATER SYSTEM

GENETIC CHEMISTRY
DNA SEQUENCING
FORENSICS

Designed specifically for genetics applications, the CLiR 5400 delivers up to 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.



FEATURES

- Up to 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
- Ultrafiltration
- TOC Monitoring (Optional)
- UV Oxidation

SYSTEM REQUIREMENTS

Source/Type: Reverse osmosis (RO) or Service deionization (SDI)

Conductivity: RO: < 20 μ S/cm, SDI: > 1 M Ω (Resistivity)

Power: 110 VAC 60 Hz (1.0 amp) 220 VAC / 50 Hz (0.5 amp)

TOC (Optional): RO: < 50 ppb or SDI: < 200 ppb

Temperature: 4°C to 38°C

EFFLUENT WATER	
Resistivity	18.2 Ω
Flow Rate	Up to 2.0 LPM
Bacteria	< 1 CFU/ml
Endotoxin*	< 0.005 EU/ml
Particulates	< 0.05 μ m
TOC	< 5 ppb
RNase	< 0.01 ng/ml
DNase	< 4 pg/ μ l

Revision 1.3
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SYSTEM ORDERING GUIDE

Model Part Numbers	Description
CLS-5400-S-1	Benchtop base system with UV and UF installed, 120V/60Hz
CLS-5400-S-2	Benchtop base system with UV and UF installed, 220V/50Hz
CLS-5400-R-1	Remote dispense configuration - with UV and UF installed, 120V/60Hz
CLS-5400-R-2	Remote dispense configuration - with UV and UF installed, 220V/50Hz
CLS-5400-S-1-TOC	Benchtop base system, 120V/60Hz with UV, UF, and TOC Monitoring
CLS-5400-S-2-TOC	Benchtop base system, 220V/50Hz with UV, UF, and TOC Monitoring
CLS-5400-R-1-TOC	Remote dispense configuration base system, 120V/60Hz with UV, UF, and TOC Monitoring
CLS-5400-R-2-TOC	Remote dispense configuration base system, 220V/50Hz with UV, UF, and TOC Monitoring

CONSUMABLES SOLD SEPERATELY

Part Number	Description
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	POU 0.2 micron Capsule Filter - 1/4" MNPT x 1/4" hose barb
CLF-5000-02E	POU 0.2 micron Endotoxin Removal Capsule Filter - 1/4" MNPT x 1/4" hose barb
CLF-5000-005**	0.05 micron Ultrafilter - 3/8" Quick Disconnect Fitting

** Pre-installed in 5300 and 5400 only

INSTALLED OPTIONS & ACCESSORIES*

Part Number	Description
CLA-5000-DF	Direct Feed Port
CLA-5000-DG	Recirculating Dispensing Gun
CLA-5000-WB	Wall Mount Bracket

* Options must be preordered for factory installation.

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