

CLiR 5300 SERIES

TYPE I ULTRAURE POU WATER SYSTEM

BIOLOGIC CHEMISTRY
LIFE SCIENCES
CELL CULTURE

Designed specifically for life science applications requiring low bacteria and endotoxin, the CLiR 5300 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 and pyrogen removal ultrafiltration. 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

SYSTEM REQUIREMENTS

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

Conductivity: RO: < 20µS/cm, SDI: > 1 MΩ (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	18.2Ω
Flow Rate	Up to 2.0 LPM
Bacteria	< 1 CFU/ml
Endotoxin*	< 0.005 EU/ml
Particulates	< 0.05 µm
TOC	< 10 ppb
RNase	< 0.01 ng/ml
DNase	< 4 pg/µl

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SYSTEM ORDERING GUIDE

Model Part Numbers	Description
CLS-5300-S-1	Benchtop base system with Ultrafiltration module, 120V/60Hz
CLS-5300-S-2	Benchtop base system with Ultrafiltration module, 220V/50Hz
CLS-5300-R-1	Remote dispense configuration with Ultrafiltration module, 120V/60Hz
CLS-5300-R-2	Remote dispense configuration with Ultrafiltration module, 220V/50Hz

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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