

CLiR 5000 SERIES

TYPE I ULTRAPURE POU WATER SYSTEM

GENERAL CHEMISTRY
ANALYTIC CHEMISTRY
BIOLOGIC CHEMISTRY
GENETIC CHEMISTRY

The CLiR 5000 Series delivers up to 2.5 LPM of Type I, 18.2Ω water quality on demand. The water is purified using a multi-stage purification process. In the two-step deionization stage, source water passes through high purity ion exchange resins to remove dissolved minerals. A subsequent stage uses a 0.2 micron filter to remove particulates and bacteria before dispensing. The result is water that meets universally recognized Type I specifications.



FEATURES

- Up to 2.5 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
- UV Oxidation (*5200 & 5400 Only*)
- Ultrafiltration (*5300 & 5400 Only*)
- TOC Monitoring (*Optional in 5200 & 5400 Only*)

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

CLiR MODELS

MODEL	5100	5200	5300	5400
Applications	<i>General Chemistry</i>	<i>Analytic Chemistry</i>	<i>Biologic Chemistry</i>	<i>Genetic Chemistry</i>
Resistivity	18.2Ω	18.2Ω	18.2Ω	18.2Ω
Flow Rate	Up to 2.5 LPM	Up to 2.5 LPM	Up to 2.0 LPM	Up to 2.0 LPM
Bacteria	< 1 CFU/ml	< 1 CFU/ml	< 1 CFU/ml	< 1 CFU/ml
Endotoxin*	<i>5300 & 5400 Only</i>	<i>5300 & 5400 Only</i>	< 0.005 EU/ml	< 0.005 EU/ml
Particulates	< 0.2 μm	< 0.2 μm	< 0.05 μm	< 0.05 μm
TOC	< 10 ppb	< 5 ppb	< 10 ppb	< 5 ppb
RNase	<i>5300 & 5400 Only</i>	<i>5300 & 5400 Only</i>	< 0.01 ng/ml	< 0.01 ng/ml
DNase	<i>5300 & 5400 Only</i>	<i>5300 & 5400 Only</i>	< 4 pg/μl	< 4 pg/μl

* <0.001 EU/mL with optional Endotoxin Final Filter

Revision 1.0

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SYSTEM ORDERING GUIDE

Model Part Numbers	Description
CLS-5100-S-1	Benchtop base system, 120V/60Hz
CLS-5100-S-2	Benchtop base system, 220V/50Hz
CLS-5100-R-1	Remote dispense configuration base system, 120V/60Hz
CLS-5100-R-2	Remote dispense configuration base system, 220V/50Hz
CLS-5200-S-1	Benchtop base system with UV oxidation Lamp installed, 120V/60Hz
CLS-5200-S-2	Benchtop base system with UV oxidation Lamp installed, 220V/50Hz
CLS-5200-R-1	Remote dispense configuration with UV oxidation Lamp, 120/60Hz
CLS-5200-R-2	Remote dispense configuration with UV oxidation Lamp, 220/60Hz
CLS-5200-S-1-TOC	Benchtop base system, 120V/60Hz with UV and TOC Monitoring
CLS-5200-S-2-TOC	Benchtop base system, 220V/50Hz with UV and TOC Monitoring
CLS-5200-R-1-TOC	Remote dispense configuration base system, 120V/60Hz with UV and TOC Monitoring
CLS-5200-R-2-TOC	Remote dispense configuration base system, 220V/50Hz with UV and TOC Monitoring
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
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.

