

# CLiR 3000 SERIES

High Purity Water System



High-Purity Lab Water for use with:

- General Lab Water Purification
- Reagent Grade Water
- Instrumentation Feed
- Trace Metals
- Mass Spectroscopy

## THE CLiR 3000 SERIES

The CLiR 3000 High Purity Water Systems provide **2.0 lpm of 18 Megohm water** and up to 4.0 lpm of direct feed supply. A quiet recirculation pump ensures constant water purity. Standard equipment includes a built-in pressure regulator. Water quality meets or exceeds ASTM Type I water specifications.

This attractive compact unit can be free standing or wall mounted. Resistivity is temperature compensated and continuously monitored on the digital display. Filters are easy to replace and require no tools. High capacity cartridges require less frequent change-outs and lower operating costs.

A variety of options are available including:

- Remote Dispensing Gun
- Upgraded 0.05 micron hollow fiber ultrafilter
- UV for bacteria and TOC reduction
- Secondary Direct Feed Side Port
- Wall bracket
- Reverse Osmosis Pretreatment

**EASY CARTRIDGE REPLACEMENT**

**LOW OPERATING COSTS**

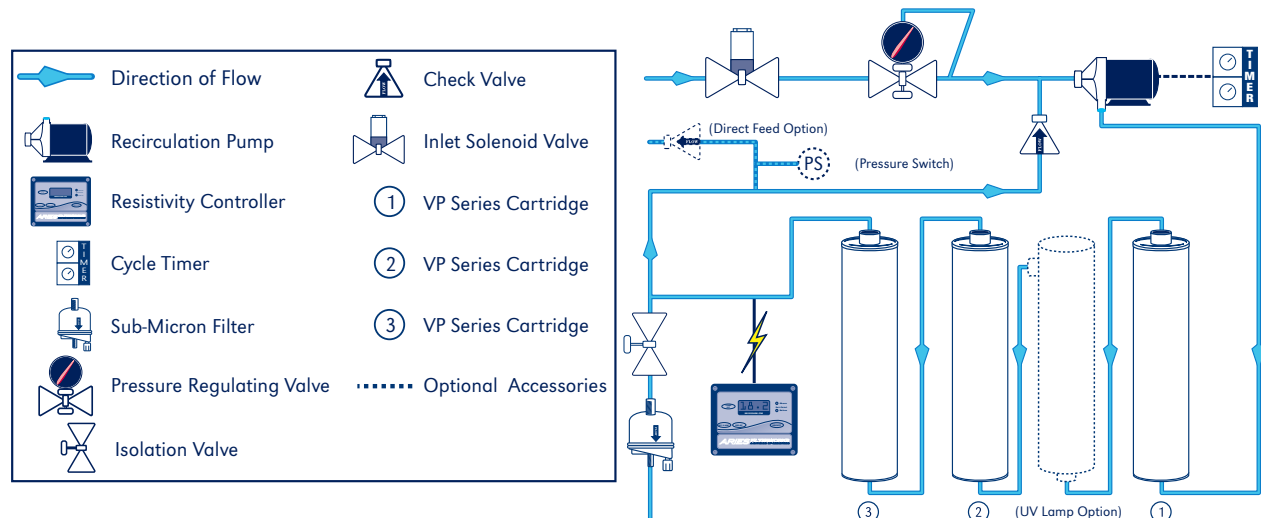
**LARGE CAPACITY, LOW COST CONSUMABLES**

**GENUINE RESINTECH MEDIA**

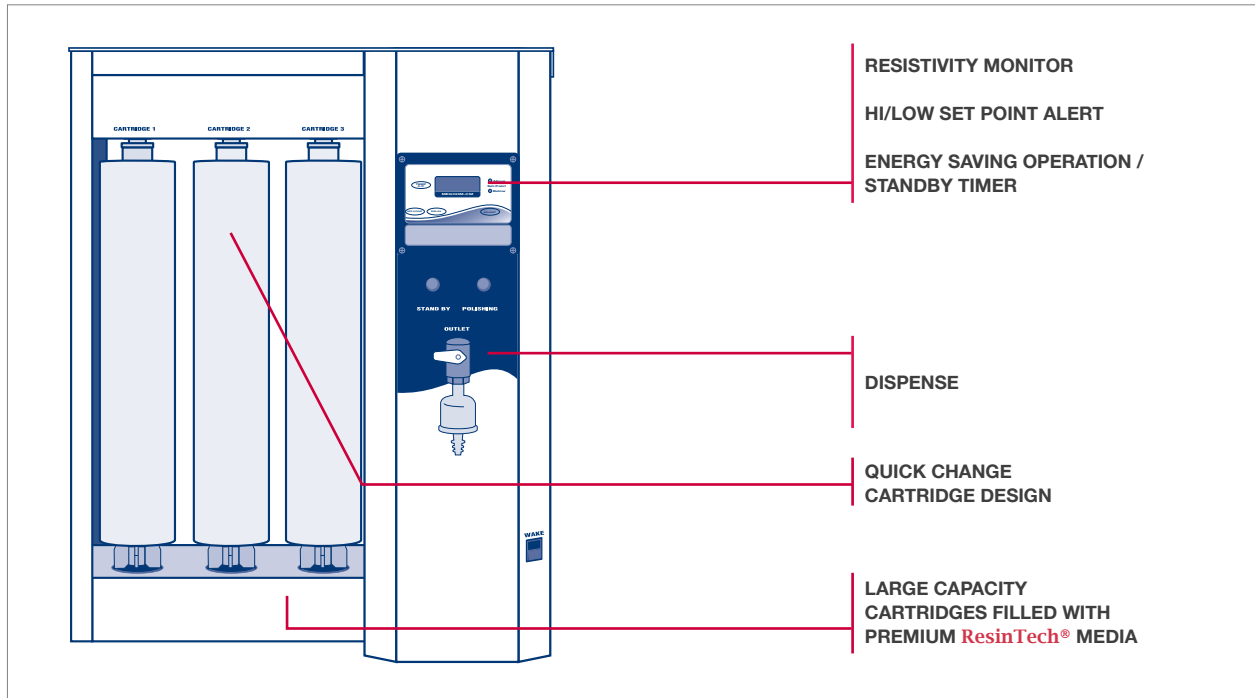
### Performance Specifications

<b>Resistivity</b>	> 18 Megohm
<b>System Voltage</b>	120V
<b>Water Type</b>	Type I
<b>TOC</b>	< 50 ppb

### SYSTEM FLOW



## SYSTEM HIGHLIGHTS



## INFLUENT QUALITY

- Source of Reverse Osmosis, DI, or Distillation
- Purity of < 20 uS/cm
- Filtration of 0.2 micron
- Free Chlorine of < 0.05 ppm
- Silica of < 2 ppm
- TOC of < 50 ppb

## EFFLUENT QUALITY

- Purity of > 18 Megohm-cm
- Microorganism of < 10 CFU / mL
- Chlorides of < 1 ppb
- Sodium of < 1 ppb
- With 0.05 micron UF, < 0.03 EU

	CLS-3100	CLS-3200	CLS-3300	CLS-3400
Filtration	0.2 micron capsule filter	0.2 micron capsule filter	0.05 micron capsule filter	0.5 µm capsule ultrafilter
UV Oxidation Lamp	-	Yes	-	Yes
Ultrafiltration	-	-	Yes	Yes
Total Organic Carbons	-	5-10 ppb	-	5-10 ppb
Bacteria Removal	< 10 CFU / mL	< 10 CFU / mL	< 1 CFU / mL	< 1 CFU / mL
Endotoxin Removal	-	-	< 0.03 EU / mL	< 0.03 EU / mL

PART #	ORDERING GUIDE
CLS-3100	CLiR System
CLS-3200	CLiR System with Combination UV for Bacteria and TOC destruct
CLS-3300	CLiR System with 0.05 micron capsule ultrafilter
CLS-3400	CLiR System with 0.05 micron capsule ultrafilter with Combination UV for Bacteria and TOC destruct

PART #	OPTIONS & ACCESSORIES
CLA-3000-DG	Dispensing Gun and tubing kit
CLA-3000-DF	Direct Feed
CLA-3000-WB	CLiR wall mount bracket
VPK-3805	Tap Feed Cartridge Kit
VPK-4010	RO/DI Feed Cartridge Kit
CLF-XX-6402	0.2 micron capsule filter
CLF-3000-005-HN	0.05 micron hollow fiber UF filter
CLX-3000-008	220 VAC External Power Converter
CLX-3000-010	Sanitization Kit
HPL-RO	Reverse Osmosis Pretreatment

**NOTE:** Cartridges and final filter are sold separately.

## SYSTEM SPECIFICATIONS

### Dimensions (H x W x D)

Height: 25 in. (64cm)  
 Width: 23 in. (59cm)  
 Depth: 8.5 in. (22cm)

### Weight

Dry 32 lbs. (15 kg)  
 Operating 38 lbs. (4 kg)

### Power Requirements

120 VAC/ 60 Hz @ 1.0 amp

### Pressure

20 PSIG min. — 90 PSIG max.

**Max Temperature** 100°F (30°C)

### Flow Rate (Typical)

2.5 LPM (0.67 GPM)  
 <2.0 LPM with Endotoxin filter installed

CALL **856.768.9600**

OR EMAIL [info@resintech.com](mailto:info@resintech.com)

FilterWorks is a division of ResinTech, Inc., a global leader ion exchange technology.

All media, cartridges and systems are lot-numbered and manufactured in state-of-the-art facilities the U.S.A under ISO standards.