

CLiR 5000 SERIES

Ultrapure Water System



REAL-TIME WATER QUALITY MONITORING

INTUITIVE TOUCH SCREEN CONTROL

QUICK CHANGE CONSUMABLES

LEAK & SPILL DETECTION

PREMIUM QUALITY ION EXCHANGE RESIN

LARGE CAPACITY CARTRIDGES

LOW COST OF OWNERSHIP

The CLiR delivers 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 internal recirculation to maintain purity.



CALL **856.768.9600**

OR VISIT US ONLINE **resintech.com**

CLiR CONFIGURATION				
MODEL	5100	5200	5300	5400
				
Applications	Basic Chemistry, Academic, IC Buffers	HPLC, GC/MS, Trace Organics	Life Science, Cell Culture, Microbiology	DNA Sequencing, PCR, Electrophoresis
Conditioning Cartridge	•	•	•	•
Polishing Cartridge	•	•	•	•
UV Oxidation		•		•
Ultrafiltration			•	•
0.2 micron	•	•	•	•

PERFORMANCE SPECIFICATIONS*				
Resistivity	18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm
Bacteria	< 1 cfu/ml	< 1 cfu/ml	< 1 cfu/ml	< 1 cfu/ml
Endotoxin**			<0.005 EU/ml	<0.005 EU/ml
Particulates	< 0.2 µm filtration	< 0.2 µm filtration	< 0.05 µm filtration	< 0.05 µm filtration
TOC	< 15 ppb	< 5 ppb	< 15 ppb	< 5 ppb
RNase			< 0.01 ng/ml	< 0.01 ng/ml
DNase			< 4 pg/µl	< 4 pg/µl

* Performance based upon RO / DI or Distillation Feed (< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration)

** Includes Endotoxin Removal Capsule Filter



Dimensions (H x W x D)

21.6 in. x 14.7 in. x 14.4 in.
(54.8cm x 37cm x 36.5cm)

Weight

42 lbs. dry / 47 lbs. operating
(22.7 kg dry / 25 kg operating)

Inlet Connection

3/8" O.D. Tubing
(9.53 mm O.D. Tubing)

Power Requirements

120 VAC/ 60 Hz @ 1.0 amp

Pressure

90 PSIG Max. / 20 PSIG Min.

Temperature (Max.)

100°F / 30°C

Typical Flow Rate

0.67 gpm (2.5 lpm*)

< 2.0 lpm with Ultrafilter & Endotoxin
filter installed

LAB SURVEY FORM



NEEDS & APPLICATIONS

CONTACT INFORMATION

Company Name: _____
Address: _____

Contact Name: _____
Phone: _____
E-Mail: _____

REPRESENTATIVE CONTACT INFORMATION

Company Name: _____
Contact Name: _____

Phone: _____
E-Mail: _____

What is the time frame for this purchase? ☐ Immediately ☐ 3 Months ☐ 6 Months ☐ Unknown
How did you hear about Aries FilterWorks? ☐ Web Search ☐ Trade Magazine/Show ☐ Trade Show ☐ E-Mail Contact
☐ Other: _____

WHAT IS THE APPLICATION

☐ HPLC	☐ Reagent Grade Solution Make-Up	☐ Protein Purification
☐ Ion / Gas Chromatography / MS	☐ Glassware Washer	☐ Mass Spectroscopy
☐ Clinical Analyzer Feed	☐ BOD/ COD	☐ RNase Free water
☐ Instrumentation Feed	☐ USP Purified	☐ General Demineralization
☐ Tissue Culture Research	☐ Trace Metals Analysis	☐ Other _____

WHAT IS THE WATER REQUIREMENT

☐ Type I - CAP / NCCLS	☐ Type II - CAP / NCCLS	☐ Type III - CAP / NCCLS
☐ Type I - ASTM	☐ USP - Purified	☐ Special Requirements _____

WHAT DO YOU USE FOR A LAB WATER SOURCE

☐ N/A New Lab	☐ Lab Water System
☐ Buy Bottled Water	Brand: _____
☐ House DI	Approx. Age: _____

WHAT IS THE FEEDWATER QUALITY

- ☐ Reverse Osmosis
☐ Distillation
☐ Service Deionization

- ☐ Tap Water
☐ Central Loop / DI

Tap Water Characteristics

TDS: _____ Alkalinity: _____
pH: _____ Hardness: _____
TOC: _____ Pressure: _____

TECHNICAL REQUIREMENTS

What is the Volume of Water usage per Day (liters / day)? _____

What are the dispensing requirements (liter / min.)? _____

Is a drain available? ☐ Yes ☐ No

Are there space limitations? Please specify: H" _____ W" _____ D" _____

System Configuration: ☐ Counter Top ☐ Wall Mounted ☐ Remote Dispense

What are the voltage Requirements: ☐ 120v/60Hz ☐ 220v/60Hz ☐ 220v/50Hz

Additional Technical Requirements:

SPECIFIC OPTIONS

- ☐ Recirculating Dispensing Gun
☐ Ultrafilter

- ☐ UV
☐ Wall Mounting Bracket

- ☐ Direct Feed Port
☐ TOC Monitor (CLiR Only)

