

Technical Specification

Avidity Science GENO™ CL Series

CLRW Water



The Geno™ CL series has been designed to change the approach to clinical analyser feedwater for diagnostics laboratories. It minimises spatial requirements, whilst reducing the risk of water outage; all in one sophisticated cabinet.

FEATURES & BENEFITS

KEY FEATURES

A range of flow rates in a 'one box' solution with a small footprint to match the requirement of any analyser system configuration

Unique two-stream RO/EDI cassette technology provides contingency, upgrade capability and minimises downtime

Simple operator interfaces through an Intuitive icon driven control via a high resolution 10" touch screen

CLSI-CLRW compliant water delivered by whisper-quiet pumps

Onboard maintenance tutorial videos

Low running costs

PRODUCT WATER QUALITY

PRODUCT WATER SPECS		GENO™ 50 CL	GENO™ 100 CL / CLD	GENO™ 150 CLD	GENO™ 200 CLD
Makeup Flowrate	L/hr	50	100	150	200
Inorganics	MΩ-cm at 25°C	>10	>10	>10	>10
Organics	TOC ppb	<30	<30	<30	<30
Bacteria	CFU/ml	<10	<10	<10	<10
Particles	at µm filter	0.2	0.2	0.2	0.2
Silica	mg/L	<0.05	<0.05	<0.05	<0.05
Delivery Flowrate	L/min @ 14psi	7.5	7.5	7.5	7.5

SYSTEM REQUIREMENTS

FEED WATER		GENO™ 50 CL & GENO™ 100 CL / CLD	GENO™ 150 CLD & GENO™ 200 CLD
Pressure	Bar	1 to 6	1 to 6
Flow	L/hr	190	380
Hardness as CaCO ₃	ppm	<20	<20
Temperature	°C	<25*	<25**
Conductivity***	µS/cm	10 to 2000	10 to 2000
Free Chlorine	ppm	<0.2*	<0.2**
Carbon Dioxide***	ppm	<30	<30
pH		4 to 10	4 to 10

* Calculated at operation of 12 hours per day, filter change every 6 months

** Calculated at operation of 12 hours per day, filter change every 3 months

*** FCE (Feed Conductivity Equivalent) means conductivity + (ppm CO₂ x 2,66) + (ppm SiO₂ x 1,94)

UNIT SPECIFICATIONS

ALL MODELS

Dimensions (HxWxD)	1852 x 750 x 600mm
Working Depth	800mm
Net Weight	182kg
Operating Weight	292kg
Maintenance Access	450 x 800mm
Power Supply	110 - 230V ~; 50/60Hz; 1160W (max)



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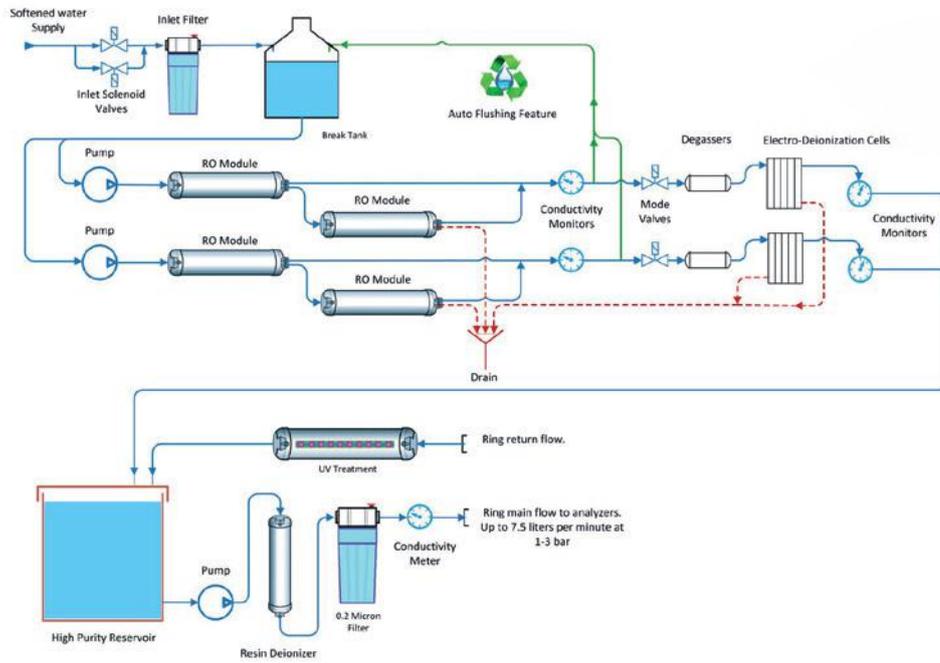
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GENO™ CL FLOW CHART



UTILITIES & SERVICES

REQUIREMENTS

Feed Water Connection	3/4" Male
Drainage (normal)	3.3 L/m
Drainage (overflow)	10 L/m

CONSUMABLES & ACCESSORIES

PART NUMBER	DESCRIPTION	TYPICAL ANNUAL REQUIREMENT
TC003	UV Lamp	12 Months
TC005	Air Vent Filter	12 Months
TC041	EDI Cell 50 - 100L/h	2 - 3 Years
TC042	RO Membrane	2 - 3 Years
TC043	20" Carbon	3 Months
TC044	DI Cartridge	3 Months
TC045	0.2uM Clamp	6 Months
TC046	Degasser Air Filter	12 Months
TC047	Degasser Membrane	2 - 3 Years

OPTIONS

COMMUNICATION PORTS

Secure remote access & logging ethernet

Building management services 3 pole connection for global fault
(Common, Normally Open & Normally Closed)



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