

AVIDITY™

SCIENCE

GENO™ CL

PURE WATER FOR THE
CLINICAL LABORATORY



Enabling science to
improve quality of life. 

**OUR STRENGTH IS SUPPORTING THE
VITAL WORK OF LABORATORIES.**

The Avidity Science GENO™ CL water purification system provides a seamless supply of pure water for the daily operations in clinical laboratories. Featuring an intuitive touchscreen for ease of use and supported by our own service team, you can trust and rely on the GENO™ CL to keep your analysers running smoothly.

Developed with today's clinical laboratory in mind and manufactured in the UK to the ISO 9001:2015 standard, the GENO™ CL combines innovative features with a stylish and practical finish – the Avidity Science way.



Certificate No: FS 558309



How will you manage to serve the increasing workflow in your clinical laboratory?

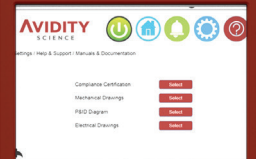
THE AVIDITY SCIENCE GENO™ CL SERIES

- **Adaptable one-box solution** for scalability & ongoing contingency planning
- **CLSI-CLRW compliant water**, delivered by whisper-quiet pumps
- **Predictable running costs** for managed service contracts

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.

Proven water purification technologies, used in the production of CLRW grade water, have been expertly housed and are complimented by a wide range of features which ensure the **GENO™ CL** sets a new standard for the supply to clinical analysers across the industry.

Twin stream technology provides the contingency required in the modern laboratory inside one system. A break tank and integral storage reservoir are both held inside this complete package; the **GENO™ CL** is the ultimate one-box solution.



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Flexible, Scalable And Intuitive System To Suit Your Needs Today And Tomorrow

Flexibility and Scalability provided by unique EDI-Cassette Technology (EDI-CT)

- Each cassette holds an EDI cell and degasser
- A separate cassette holds the RO module and pump
- Simply add cassettes to increase capacity with growing demand

A continuous water supply when uptime is the only option.

- EDI-CT allows duplex production from one system, providing built-in contingency
- If one stream stops for any reason, the others work independently to ensure a continuous supply at up to 50% capacity
- Cassettes can be independently replaced without having to shut the system down

Easy to use with an icon based interface

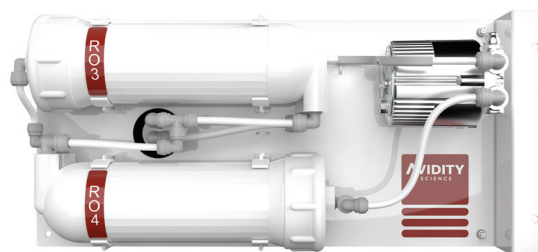
- 10" High Resolution Touchscreen
- Intuitive, pictorial settings, removing language barriers
- Password protected interface
- Alarm warnings

Video tutorials for absolute clarity

- Easy to use on-site maintenance saving you valuable time and service callouts
- Video tutorials easily accessed from 10" touchscreen
- No tools needed to replace consumables

OPTIONAL FEATURES:

- + Data Logging via secure link to protected cloud storage
- + Remote diagnostics via an Ethernet or 4G connection



AVIDITY SCIENCE			
Alerts			
	Message	Triggered	Cleared
0	Break Tank Low Level	29.07.2019 00:28:46	
1	Distribution Tank Low Level	29.07.2019 00:24:28	29.07.2019 00:27:34
2	Break Tank Low Level	29.07.2019 00:22:26	29.07.2019 00:23:35
3	EDI Quality Too Low	29.07.2019 00:20:10	29.07.2019 00:22:20
4	Distribution Tank Low Level	29.07.2019 00:20:15	29.07.2019 00:22:19
5	Break Tank Low Level	29.07.2019 00:20:22	29.07.2019 00:22:19
6	Distribution Tank Low Level	29.07.2019 00:15:46	29.07.2019 00:18:40
7	Break Tank Low Level	29.07.2019 00:10:24	29.07.2019 00:14:34
8	EDI Quality Too Low	29.07.2019 00:07:31	29.07.2019 00:07:38



Technical Specifications

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	1 to 6	1 to 6
Flow (L/hr)	190	190	380	380
Hardness as CaCO ₃ (ppm)	<20	<20	<20	<20
Temperature (°C)	<25*	<25*	<25**	<25**
Conductivity (µS/cm)***	10 to 2000	10 to 2000	10 to 2000	10 to 2000
Free Chlorine (ppm)	<0.2*	<0.2*	<0.2**	<0.2**
Carbon Dioxide (ppm)***	<30	<30	<30	<30
pH	4 to 10	4 to 10	4 to 10	4 to 10

SYSTEM CAPABILITIES

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

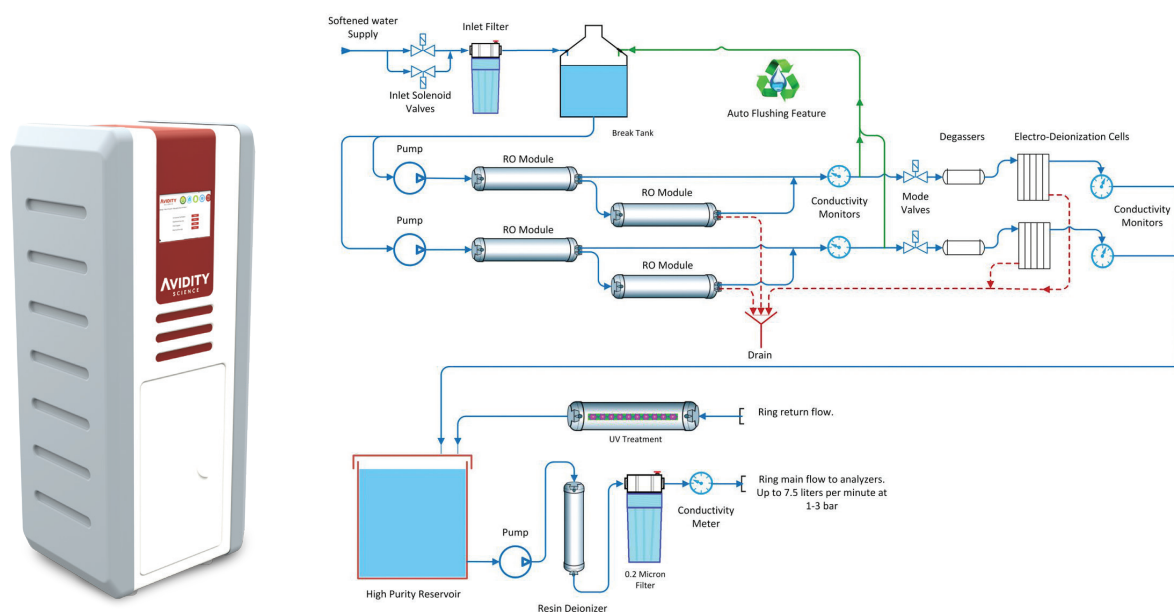
DIMENSIONS

ALL MODELS	mm
Height	1852mm
Width	750mm
Depth	600mm
Working depth	800mm
Net weight	182Kg
Operating weight	292Kg

* 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)





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