

AVIDITY

SCIENCE

LABORATORY EQUIPMENT PORTFOLIO





Enabling science to improve quality of life.

Avidity Science is your trusted partner in the global science community, delivering high quality, innovative products and unrivalled service.

We manufacture our own laboratory water products and can offer advice and guidance from initial enquiry, layout and distribution designs through to complete project management and installation.

We also provide a wide range of leading laboratory equipment and consumables all fully supported by our dedicated service team.

Our large UK facility holds extensive stock available for next day delivery.



Certificate No: FS 558309

Avidity Science Service Support

Avidity Science provides you with specialist support from our experienced team. Together, we can find the right solution for your laboratory.

Our installation engineers will ensure minimal disruption, whilst we deliver and commission your new laboratory equipment for you.

“The service provided has always been helpful and professional and the Engineers extremely competent. Avidity Science are an excellent example of how to operate a customer focused service.”

Queen Alexandra Hospital



Learn from the Experts

Operator training is free of charge on installation and refresher training is delivered on site at your convenience, free of charge to service contract customers. We can supply customised advanced training on any of our products as required.



A Service Plan Based on Your Needs

Take the stress and hassle out of your essential equipment maintenance with one of our Service Contracts. We can also service third party models.

Contact us today for your bespoke quote.

With a customer-centric culture and a focus on service excellence, we're there when and where you need us.

Why Choose a Service Contract?

DETAILS

Reduce Risk
Protect your equipment, your employees and your work

Create Savings
Regular maintenance reduces unexpected invoices for repairs

Consistent Results
Keep your machine and equipment to its full capacity with limited downtime

Type 2 & 3 Water Purification Systems

Reverse Osmosis or Deionised Water

Avidity Science Pico™ - Type 2 or Type 3 Water The compact unit making a big impact

The Pico™ utilises proven water purification technologies to provide Type 2 or Type 3 water, on request. Call for water from the integral 35L reservoir via the dispense tap on the front of the machine, to obtain the concise water you need, when you need it, with fast dispense.



Avidity Science Puro™ - Type 3 RO Water Pure water in high demand

- RO sanitisation process
- Up to 25, 45 or 85L/hr production rates
- Low running costs
- One easy-change pre-filter
- Mount on bench, wall or on top of a reservoir
- Intuitive, icon-based, interactive user interface with touchscreen
- Integrated leak detector and boost pump
- Choice of storage reservoir: 30, 60 or 100L



Geno™ - Type 2 DI Water

For all sensitive laboratory applications.

- RO sanitisation process
- Up to 25 or 45L/hr production rates
- Low running costs
- Easy-change pre-filter and quick-disconnect Endure™ DI Pack
- Mount on bench, wall or on top of a reservoir

Type 1 Water Purification Systems



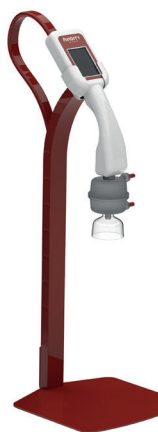
Ultrapure Water 18.2MΩ

Avidity Science Alto™ - Type 1 Water Ultrapure. Ultra-sleek. Ultra-sustainable

The Alto™ produces Type 1 water on demand. The system is fed by pre-purified water. It features quick-change, long-lasting consumables and TOC monitoring, ensuring the highest of purity for your application.

Avidity Science Duo™ - Type 1 and Type 2 Water Dual quality. One clear solution

- Option of integrated and remote dispensers (up to two)
- Fast dispense of up to 2L/min with volumetric dispense as standard
- Type 2 make up rate of 10 or 20 L/hr with a choice of reservoir size
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease option (UF Model) available



“

We chose the Avidity Science Alto™ because of its reliability and ease of use, especially when changing the filtration cartridges.

*Philip Thornton-Evison,
University of Oxford*

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MODEL	UNIT DIMENSIONS (mm)
PURO, GENO, DUO, ALTO	500 (H) x 490 (W) x 290 (D)
PICO	500 (H) x 485 (W) x 330 (D)

MODEL	UNIT DIMENSIONS (mm)
100L TANK	810 (H) X 480 (W) X 360 (D)
60L TANK	495 (H) X 480 (W) X 330 (D)
30L TANK	495 (H) X 405 (W) X 230 (D)

Ringmain Design and Installation

Bespoke Water Systems for New Buildings and Laboratories

We provide a range of water purification solutions for laboratories in university and clinical research environments, to healthcare, diagnostics and pharmaceutical, where clients don't simply require purified water, but need it in specific locations, controlled quantities and of precise quality.

Our on-site qualified design and projects team offer a full design and installation service for your water distribution needs. With extensive experience in supplying and installing systems, we will manage the project from the design stage through to completion of your new or refurbished laboratory or building.



DESIGN

- Experienced consultants to support your planning process
- Computer aided design plans can be integrated with site plans



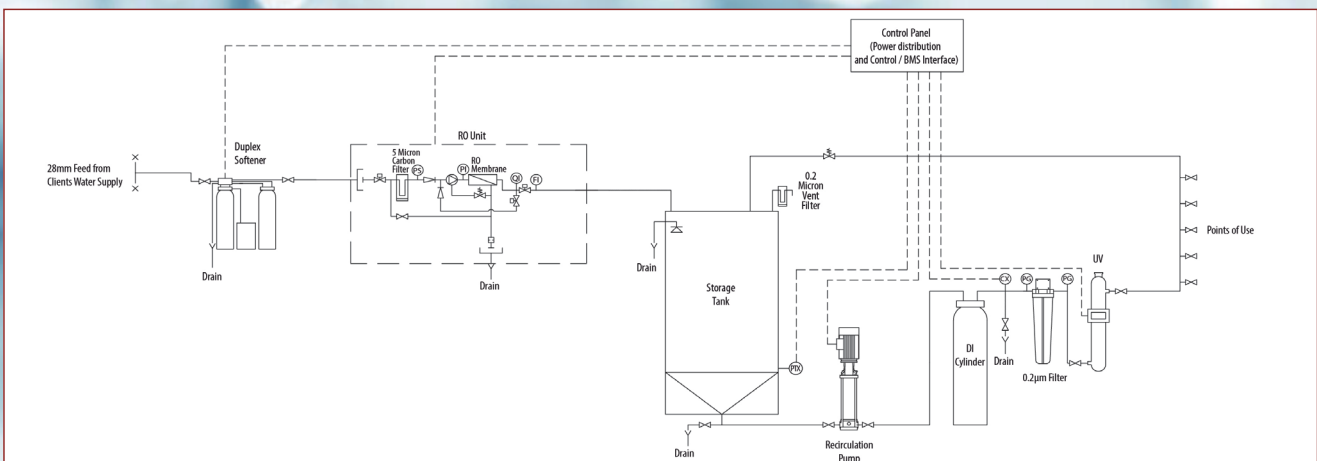
INSTALLATION

- Costs calculated to your budget
- Commissioning and validation
- Implementation by qualified engineers



SUPPORT

- Ongoing support of your installation
- Unrivalled after sales support
- Operator training



Consumables and Accessories

Compatibility and Efficiency Throughout

Our consumables are designed specifically for our systems to maximise efficiency and minimise cost.

Each system is provided with a consumable replacement guide to ensure that your new laboratory water system is always performing at its optimum to support your research.



Replacement Consumables

We provide high quality, factory warrantied consumables that are compatible with popular competitor water equipment models.

Contact your local Life Science Specialist to request our complete portfolio of consumables.



Compatible Replacement Cartridges

We manufacture and supply consumables for most Laboratory Water Systems:

- Pretreatment cartridges
- RO cartridges
- DI cartridges
- UV lamps
- Point of use filters
- Tank vent filters

Next day delivery as standard on stocked consumable items for orders received before 3pm.



CO₂ and Hypoxic Incubators

Simple, Reliable Results

The only CO₂ Incubator with constant contamination control

With a CO₂ recovery time of less than 3 minutes, NuAire's high quality range of Direct Heat and Hypoxic CO₂ Incubators are the safest, trusted and most reliable on the market by providing accurate and precise control of humidity, temperature, CO₂ and sterility.

Features:

- HEPA filter technology provides a Class 100 environment with optional decontamination cycles
- Constant contamination control for peace of mind
- Touch screen control panel for ease of use
- Recovery of CO₂ to 5% in less than 3 minutes
- Decontamination cycle at 145°C or wet cycle at 95°C
- Zirconia oxygen sensor control 0.5 - 21%
- Dual wavelength IR Sensor
- Optional individual doors to minimise nitrogen loss during door opening
- Low level of oxygen down to 0.5%
- No fan in chamber
- Temp vs. time history of 7 days



SERIES	CHAMBER VOLUME	EXTERIOR DIMENSIONS (WxDxH in mm)
NU-57XX	160L	635 X 698 X 896.5
NU-58XX	200L	673 X 691 X 1054

Class 2 Biological Safety Cabinets

Personnel, Product, and Environmental Protection

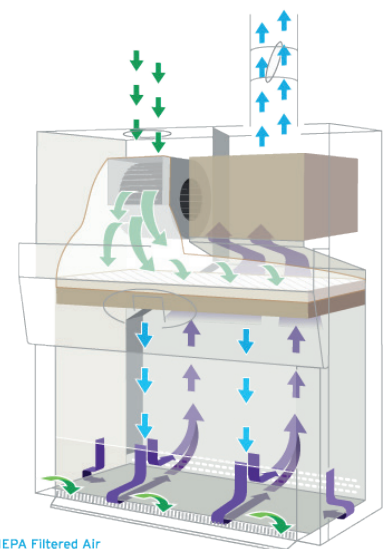


The safest cabinets on the market

The NuAire range of Energy Saver Class II Safety Cabinets offer the very best of protection, thanks to an ultra-high efficiency ECM motor, ergonomic design and long-lasting filters. Each cabinet goes through a series of quality assurance tests to ensure maximum quality, safety and efficiency.

Features:

- BSEN12469:2000 and NSF49 Certified
- Stainless steel construction
- Patented HEPEX bag system giving unique even air flow and extended filter life
- Ultra high efficiency motor
- FlowGard™ electronic control system
- High inflow air exceeding 0.5m/s
- Three access opening height options (203mm, 254mm or 305mm)
- Quiet environment
- Ergonomic arm rest
- Optional accessories available



- ➔ HEPA Filtered Air
- ➔ Contaminated Work Surface Air
- ➔ Contaminated Room Air
- ➔ Contaminated Room Air Supply

MODEL	INTERIOR DIMENSIONS (WxDxH in mm)	EXTERIOR DIMENSIONS (WxDxH in mm)
NU-543-300	873 x 654 x 724	1057 x 799 x 1572
NU-543-500	1178 x 654 x 724	1362 x 799 x 1572
NU-543-500	1483 x 654 x 724	1669 x 799 x 1572
NU-543-600	1788 x 654 x 724	1972 x 799 x 1572

Laboratory Autoclaves

Bench Top, Vertical or Floor Standing

Green, environmentally friendly and safe sterilisation

Manufactured in Germany, Systec Autoclaves offer the very latest technological advances in steam sterilisation. Can be used in all laboratory applications, including sterilising liquids, solid bodies, waste, and biologically hazardous materials in safety laboratories.

"Since installing the HX320, operation and performance have been faultless, and this compliments our always reliable benchtop Systec DE45, now five years old. I would highly recommend Systec machines and Avidity Science for the supply and reliable subsequent servicing of these products."

David Banfield, Technical Services Manager, University of Oxford



D-Series Autoclaves

Front-loading, bench-top autoclaves with 7 capacities up to 200 litres.

V-Series Autoclaves

Top-loading vertical autoclaves with 8 capacities from 40 to 150 litres.

H-Series Autoclaves

Floor standing front loading autoclaves from 65 to 1580 litres. Double door option available in all sizes.

Features:

- ISO: 14001 Environmental Management Accreditation
- Corrosion resistant pharmaceutical grade stainless steel chamber
- Fast cooling options with no evaporation or boiling and no product loss
- Lightweight with small footprint
- High speed cycles
- Integrated steam generators
- Energy efficient round chambers
- No heat released into room
- Supported by Avidity Science UKAS:17025 Accreditation



Media Preparators

Prepare. Sterilise. Dispense.



The ultimate automated dispensing solution

Systec Media Preparators and Fillers are designed to the same high-specification as their autoclaves. Connect both systems together for a completely automated and sterile walk-away system for media preparation and plate pouring.

"The Mediafill has proved to be a great resource that I could not do my job without. Instead of taking 15 minutes to pour 1 litre of agar and waiting 20-30 minutes for it to dry, I can pour 8 litres at a time, walk away, remove the plates a couple of hours later and then do it all again."

Dr Sally Shepherd, Deputy Technician Manager, University of Salford

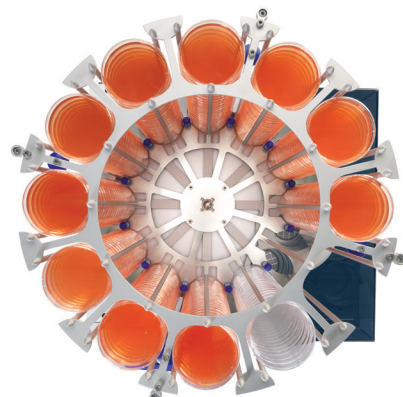
Systec Mediaprep

- 7 different capacities from 10 to 120 litres
- Fully automated with active cooling
- Rapid cycle times
- Intuitive colour touchscreen control with 100 programmes
- ISO: 14001 Environmental Management Accreditation
- Titanium stainless steel



Plate Pourer/Stacker

- Carousel options for 220, 440 or 660 x 35, 60 or 90mm petri dishes
- Total automation of plate pouring and stacking
- Optional printer enables data printing directly onto the side of each plate
- Optional conversion to tube filler for up to 30mm tubes
- No mess, no waste





LABORATORY EQUIPMENT PORTFOLIO

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