

AVIDITY[®]
SCIENCE

LABORATORY WATER PORTFOLIO

LABORATORY WATER WITH CONFIDENCE





Enabling scientific research with a clearer laboratory water solution.

At Avidity Science, we are as enthusiastic about designing the ultimate laboratory water systems, as you are about your research and results.

Developed with today's laboratory in mind and manufactured globally, our range combines space and cost saving initiatives with a stylish finish - the Avidity Science way.

As your dedicated laboratory water experts, we can offer advice and guidance from initial enquiry, layout and distribution designs through to complete project management and installation. Thereafter, you can rely on Avidity Science to maintain your pure water supply for years to come.



Introducing the Avidity Science difference.

Our strength is in supporting scientists.

We understand the critical nature of pure water for research facilities like yours; enabling scientific breakthroughs to be achieved across the research sector. That's why our products and services are based on your requirements.

At Avidity Science, we offer a pure water solution for every laboratory application, supported by our experienced team of technicians who will ensure that your pure water supply is never compromised.

EXPERT	SUPPORT	APPROACHABLE
<p>Many years of water purification and delivery methods to provide unparalleled solutions to the laboratory space.</p>	<p>With a customer-centric culture and a focus on service excellence, we're there when and where you need us.</p>	<p>We genuinely enjoy the customers we work with. When you have a shared passion, it's easy to work together for a joint goal.</p>

Excellent service in all forms. User guides, video tutorials, online assistance, help desk and local technicians.





Avidity Science Service From The Start

Avidity Science can provide specialist support from our experienced, global-based, project team who are equipped with the latest in design technology, to deliver the right configuration to your laboratory.

We will guide you through product selection and layout designs and our installation engineers will ensure minimal disruption to your work whilst we commission your new laboratory water systems.



Learn from our Global Experts

Operator training is free of charge on installation. We can supply customised advanced training on any of our products as required throughout your region.

A Service Plan to Suit Your Needs

Select the correct service plan for complete peace of mind adapted for you. Your equipment will be well looked after by our own experts who are also able to service third party models.

Contact us today for your customised quote.

Why Choose a Service Contract?

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 working at optimum capacity

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

Additional Services

Customised Water Systems for New Buildings and Laboratories

We provide many water purification options for laboratories in university and clinical research environments, healthcare, diagnostics, biotechnology and pharmaceutical settings.

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.

Global Standards Established

Our portfolio is compliant to globally recognised, water purification quality standards for ultimate customer reassurance. Notably ISO 3696:1995, ASTM and CLRW (CLSI).



Ensuring precise purity for *your* applications



REVERSE OSMOSIS (RO)

<40µS/cm
Up to 98% rejection of incoming feedwater inorganics, typically

DEIONISED (DI)

1 - 15MΩ·cm

ULTRAPURE

18.2MΩ·cm

APPLICATION

- Autoclave Feed
- Glasswasher Feed
- Feed to Ultrapure Water Systems
- Hydroponics
- Steam Generators

- Buffer & Media Preparation
- Sample Dilution & Reagent Preparation
- Spectrophotometry
- Protein Electrophoresis
- Cytology & Histology
- Glassware Washing & Rinsing

- Molecular Biology
- Electrochemistry
- Critical Cell & Tissue Culture (GF) AAS, HPLC, IC, ICP-MS, GC, MS
- DNA Sequencing
- Genomics
- Proteomics
- Immunology
- Pharmacology

PROCESS

Reverse Osmosis (RO)

This is the most economical method of removing up to 98% of feed water inorganic contaminants and >99% of organics, bacteria and particulates. In water purification, external pressure is applied to the more concentrated side of the membrane to reverse the natural osmotic flow. This forces the feed water through the semi-permeable membrane to produce permeate. The impurities are deposited on the membrane surface and flushed to drain as concentrate.

Deionisation (DI) / Ion Exchange

This process removes ions from water, usually RO water, with the use of synthetic cation and anion resins. The ions are removed from the water through a series of chemical reactions. These reactions occur as the water passes through the ion exchange resin beads. Gradually, all unwanted ions are exchanged for hydrogen and hydroxyl ions which combine to form pure water.

Ultraviolet (UV) Photo Oxidation at 254nm & 185nm

Photochemical oxidation and UV light eliminate trace organics and inactive microorganisms in feed water. The 254nm light reacts with bacterial DNA resulting in denaturation. The 185nm light breaks down long chain organics which can then be removed from the water by ion exchange.

Final Filtration

Typically final filtration is deployed at the end of the process to ensure near total removal of such impurities. Depending on the type of filtration, pyrogens, nucleases and particle options are available.

Introducing the *i-Series* water purification range

The *i-Series* portfolio offers a complete range of water purification systems to meet your most stringent applications and laboratory requirements.

*i*ndisputable water quality

- Unique twin pass RO technology
- Specific Pre-treatment Module

*i*ntelligent monitoring

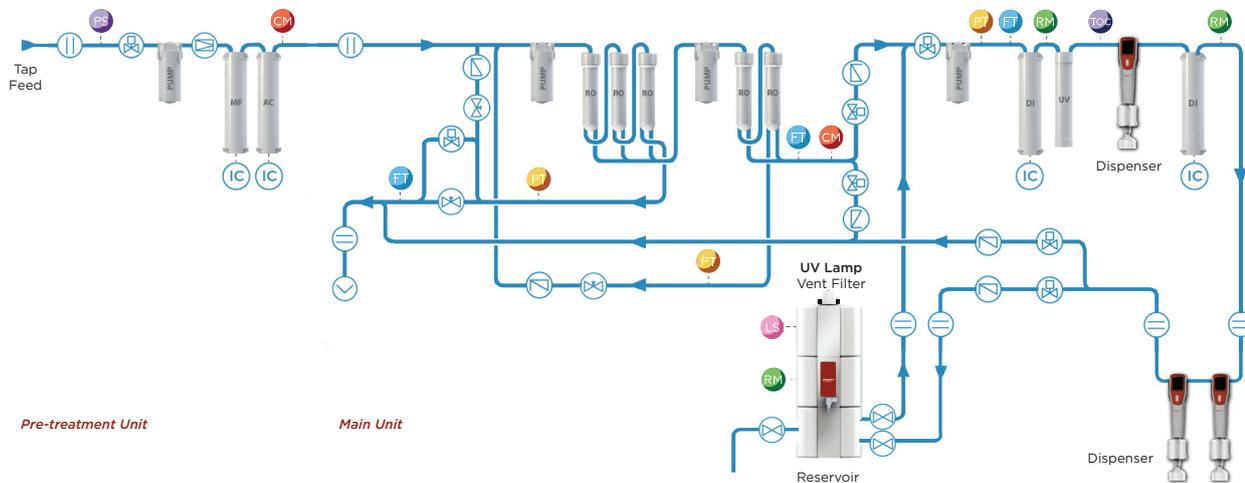
- Data Capture
- System Monitoring

*i*nformation at a glance

- On-screen flow diagram
- Reservoir levels visible on multiple displays throughout

*i*ntegrity of data

- Cartridge traceability with data tag
- Printable option



Pressure switch	Flow transmitter	Resistivity transmitter	TOC Indicator	Solenoid valve	Intelligent chip	Decompression valve	Drain
Conductivity transmitter	Pressure transmitter	Level sensor	Hand valve	Check valve	Restrictor valve	Connector	

Duo-i II.I Flowchart



Avidity Science Laboratory Water Systems Overview

Let us help you find the perfect partner for your laboratory. Our portfolio encompasses systems that can provide Type 3 to Type 1 water, each with their own features. Use the helpful table below to narrow down the most suitable system for you based on your requirements.

MODEL	WATER QUALITY	PRODUCTION RATE (L/HR)	TOC MONITORING	RESERVOIR REQUIRED	FINAL FILTER OPTIONS	WALL MOUNTABLE	TOUCH SCREEN USER INTERFACE
Puro™ III	Type III	Up to 25, 45 or 85L/hr		✓		✓	✓
Puro™ III T	Type III	10 or 20L/hr				✓	✓
Puro™-i III	Type III	5, 10, 20 or 30L/hr	✓*	✓			✓
Geno™ II	Type II	Up to 25 or 45L/hr		✓		✓	✓
Geno™ II T	Type II	10 or 20L/hr				✓	✓
Duo™ II I	Type II & I	Up to 25L/hr	✓	✓	✓	✓	✓
Duo™-i III I	Type III & I	5, 10, 20 or 30L/hr	✓*	✓	✓		✓
Duo™-i II I	Type II & I	5, 10, 20 or 30L/hr	✓*	✓	✓		✓
Alto™ I	Type I	Up to 2 L/min	✓		✓	✓	✓
Alto™-i I	Type I	Up to 2 L/min	✓*		✓		✓

* Optional regional differences

REMOTE DISPENSER OPTION	DIMENSIONS (HXWXD)	DRY WEIGHT	KEY FEATURES	PAGE IN BROCHURE
	500 x 490 x 290mm 19.7" x 19.3" x 11.5"	23kg 50.7lbs	<ul style="list-style-type: none"> • RO dampening technology • Anti vibration • Variable flow rates 	10
	500 x 485 x 330mm 19.7" x 19.1" x 13"	20kg 44.1lbs	<ul style="list-style-type: none"> • Compact • Integrated tank 	11
✓	575 x 366 x 492mm 22.6" x 14.4" x 19.4"	23kg 50.7lbs	<ul style="list-style-type: none"> • Twin pass RO • Data capture • Drop by drop dispensing • Cartridge traceability 	12
	500 x 490 x 290mm 19.7" x 19.3" x 11.5"	23kg 50.7lbs	<ul style="list-style-type: none"> • RO dampening technology • Anti vibration • Variable flow rates 	13
	500 x 485 x 330mm 19.7" x 19.1" x 13"	20kg 44.1lbs	<ul style="list-style-type: none"> • Compact • Integrated tank 	14
✓	500 x 490 x 290mm 19.7" x 19.3" x 11.5"	30kg 66.1lbs	<ul style="list-style-type: none"> • RO dampening technology • Variable flow rates • Drop by drop dispensing 	15
✓	575 x 366 x 492mm 22.6" x 13.2" x 19.4"	23kg 50.7lbs	<ul style="list-style-type: none"> • Twin pass RO • Data capture • Drop by drop dispensing • Cartridge traceability 	16
✓	575 x 366 x 492mm 22.6" x 14.4" x 19.4"	23kg 50.7lbs	<ul style="list-style-type: none"> • Twin pass RO • Data capture • Drop by drop dispensing • Cartridge traceability 	17
✓	500 x 490 x 290mm 19.7" x 19.3" x 11.5"	23kg 50.7lbs	<ul style="list-style-type: none"> • Anti vibration • Automatic flush • Cartridge traceability • Drop by drop dispensing 	18
✓	575 x 366 x 492mm 22.6" x 13.2" x 19.4"	23kg 50.7lbs	<ul style="list-style-type: none"> • Application specific cartridges • Data capture • Drop by drop dispensing • Cartridge traceability 	19

* Dimensions for all accessories can be found on pages 20-21

SECTOR KEY

Look for the icon that matches your needs to find products designed with you in mind.



Academia/Government



Applied



Industrial



Pharma/Biotech

Puro™ III

Pure water in high demand

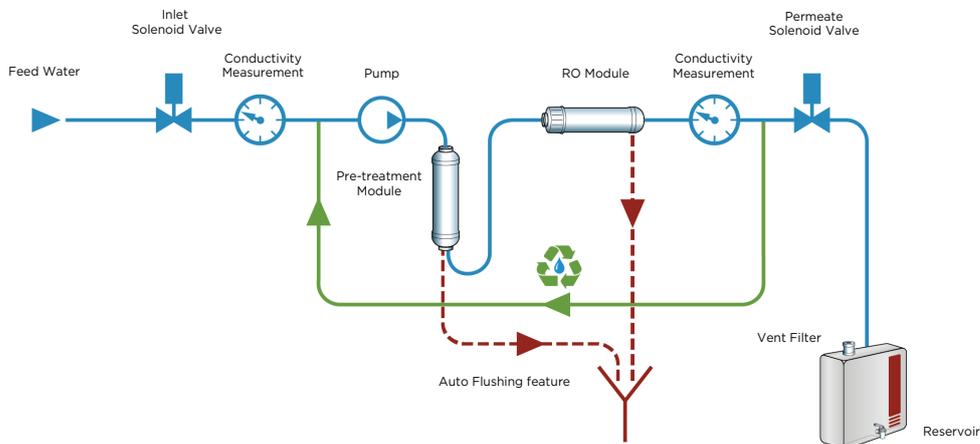


Reverse Osmosis

- Up to 85L/hr with a compact footprint
- RO sanitisation process
- Quiet operation provided by unique dampening technology
- One easy-change pre-filter
- Mount on bench, wall or on top of a reservoir
- Intuitive, icon-based, interactive user interface with touch screen
- Internal leak detector and boost pump
- Choice of storage reservoir size - 30L, 60L or 100L

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)	FEED WATER PRESSURE
PURO III 20	≥25L/hr	<40µS/cm	≥98%	160L/day	0.1 - 6 bar 1.45 - 87 psi
PURO III 40	≥45L/hr	<40µS/cm	≥98%	320L/day	0.1 - 6 bar 1.45 - 87 psi
PURO III 80	≥85L/hr	<40µS/cm	≥98%	640L/day	2 - 6 bar 29 - 87 psi

** Depending on feed water impurities



Puro™ III T

Small in size, big in benefits



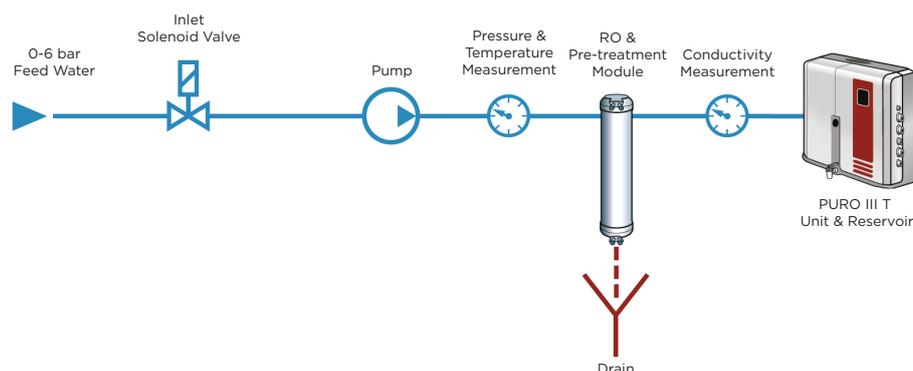
Reverse Osmosis

- Space-saving footprint with integrated 35L reservoir
- Make-up rate 10 or 20L/hr with fast dispense
- Intuitive, icon-based, interactive user interface with touch screen
- Wall or bench mounting
- Quiet, internal boost pump and patented anti-vibration mountings
- Energy consumption of <60w when processing water

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)*	FEED WATER PRESSURE
PURO III T 10	10L/hr	<40µS/cm	≥98%	80L/day	0.1 - 6 bar 1.45 - 87 psi
PURO III T 20	20L/hr	<40µS/cm	≥98%	160L/day	0.1 - 6 bar 1.45 - 87 psi

* Based on make-up rate of 8hr/day excluding DI resin capacity

** On UV model and depending on feed water impurities



Puro[™]-i III

Confidence in quality

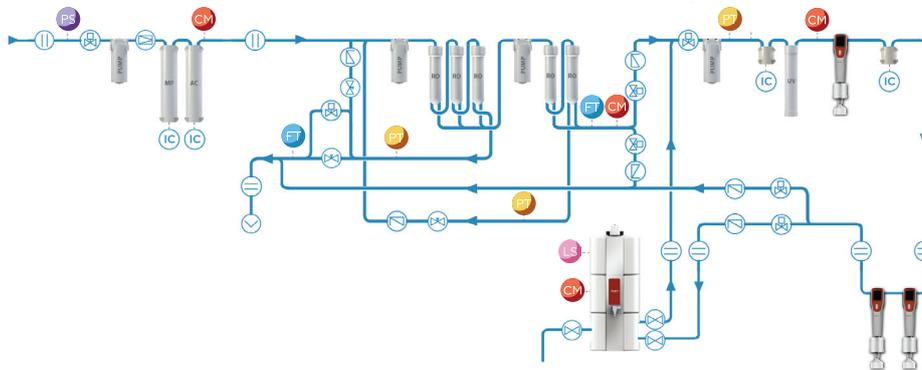


Reverse Osmosis

- Unique twin pass RO technology (<math><10\mu\text{S}/\text{cm}</math>, typical <math><5\mu\text{S}/\text{cm}</math> if feed condition is <math><2000\mu\text{S}/\text{cm}</math>)
- Auto RO sanitisation
- Interactive 7" touch screen
- Remote dispensing option for Type 3 water
- Auto reservoir sanitisation option
- Flexible pre-treatment options for variable feed water quality

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY	DISPENSE FLOW RATE	INORGANICS REJECTION RATE	BACTERIA*	PARTICLES (>0.2 μM)*	FEED WATER PRESSURE
PURO-i III 5	5L/hr	<math><40\mu\text{S}/\text{cm}</math>	$\geq 2\text{L}/\text{min}$	$\geq 99\%$	<math><0.01\text{CFU}/\text{mL}</math>	<math><1/\text{ml}</math>	0.5 - 6 bar 7.25 - 87 psi
PURO-i III 10	10L/hr	<math><40\mu\text{S}/\text{cm}</math>	$\geq 2\text{L}/\text{min}$	$\geq 99\%$	<math><0.01\text{CFU}/\text{mL}</math>	<math><1/\text{ml}</math>	0.5 - 6 bar 7.25 - 87 psi
PURO-i III 20	20L/hr	<math><40\mu\text{S}/\text{cm}</math>	$\geq 2\text{L}/\text{min}$	$\geq 99\%$	<math><0.01\text{CFU}/\text{mL}</math>	<math><1/\text{ml}</math>	0.5 - 6 bar 7.25 - 87 psi
PURO-i III 30	30L/hr	<math><40\mu\text{S}/\text{cm}</math>	$\geq 2\text{L}/\text{min}$	$\geq 99\%$	<math><0.01\text{CFU}/\text{mL}</math>	<math><1/\text{ml}</math>	0.5 - 6 bar 7.25 - 87 psi

* With LWFS32302 final filter



Geno™ II

Beyond expectation



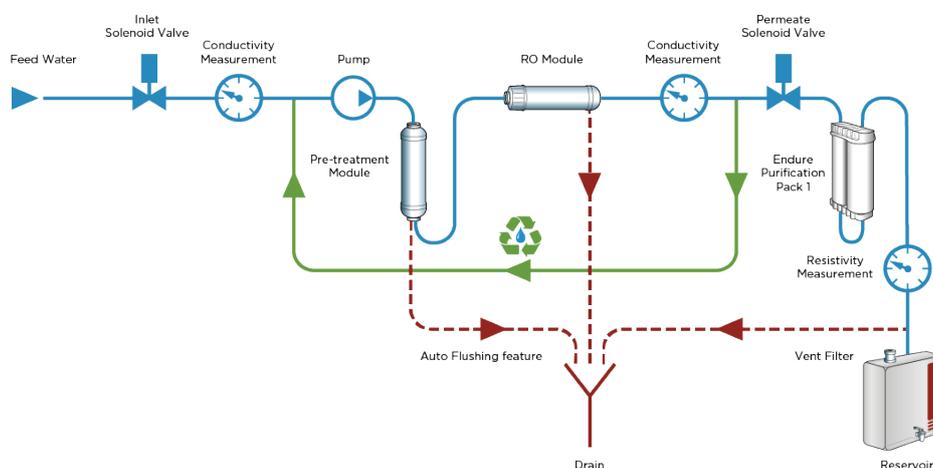
Deionised Water

- Type 2 (DI) water
- RO sanitisation process
- Simple operation with easy-change consumables
- Mount on bench, wall or on top of a reservoir
- Intuitive, icon-based, interactive user interface with touch screen
- Internal leak detector and boost pump
- Choice of storage reservoir size - 30L, 60L or 100L

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY (@25°C/77°F)	DISPENSE RATE FROM TANK*	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)	FEED WATER PRESSURE
GENO II 20	≥25L/hr	1 - 15MΩ·cm	3 - 7L/min	≥98%	160L/day	0.1 - 6 bar 1.45 - 87 psi
GENO II 40	≥45L/hr	1 - 15MΩ·cm	3 - 7L/min	≥98%	320L/day	0.1 - 6 bar 1.45 - 87 psi

* Depending on tank and pump setup

** Depending on feed water impurities



Geno™ II T

For all sensitive laboratory applications



Deionised Water

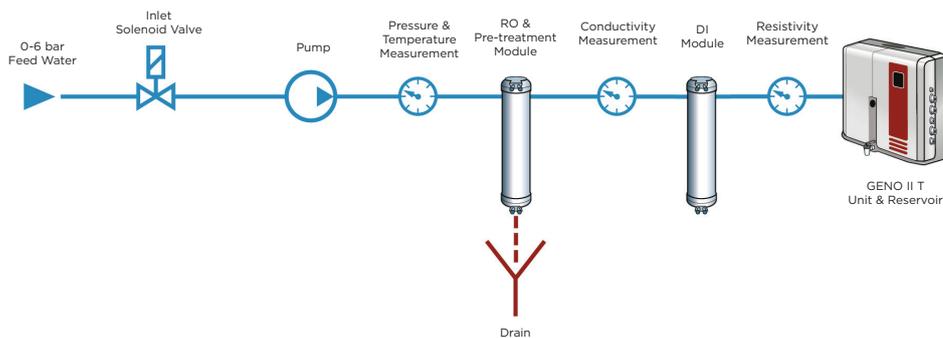
- Type 2 (DI) water
- Space-saving footprint with integrated 35L reservoir
- Make-up rate 10 or 20L/hr with fast dispense
- Intuitive, icon-based, interactive user interface with touch screen
- Wall or bench mounting
- Quiet, internal boost pump and patented anti-vibration mountings
- Energy consumption of <60w when processing water

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY (@25°C/77°F)	TOC REDUCTION***	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)*	FEED WATER PRESSURE
GENO II T 10	10L/hr	1 - 15MΩ·cm	96%	≥98%	80L/day	0.1 - 6 bar 1.45 - 87 psi
GENO II T 20	20L/hr	1 - 15MΩ·cm	96%	≥98%	160L/day	0.1 - 6 bar 1.45 - 87 psi

* Based on make-up rate of 8hr/day excluding DI resin capacity

** On UV model and depending on feed water impurities

*** Depending on feed water quality



Duo™

Dual quality; One clear solution

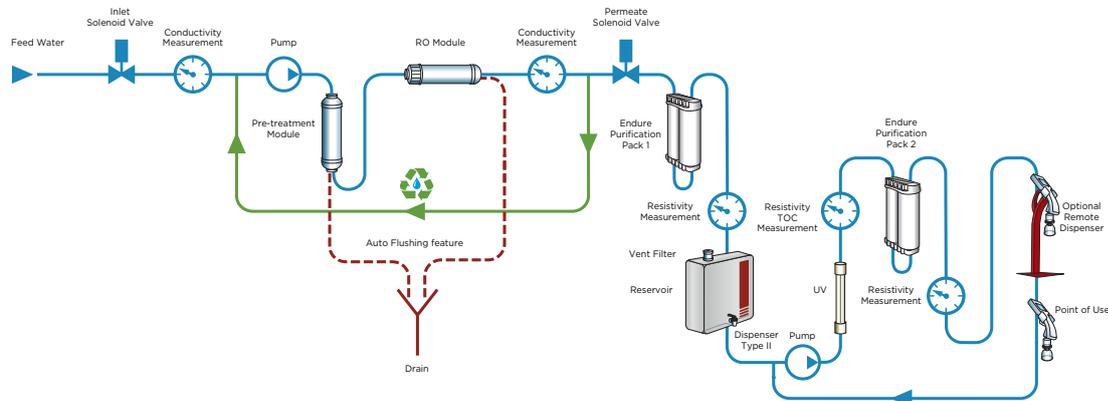


Deionised and Ultrapure Water

- Type 2 and Type 1 water quality from one unit
- Option of remote and/or integrated dispenser
- Intuitive, icon-based, interactive user interface with touch screen
- Up to 2L/min Ultrapure Water with volumetric dispense
- Variable make up rate up to 25L/hr
- Mount on-bench, under-bench or on the wall
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease options available

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY (@25°C/77°F)	DISPENSE FLOW RATE	DISPENSER WATER QUALITY (@25°C/77°F)	BACTERIA	TOC	ENDOTOXINS**	RNASE**	DNASE**	PROTEASE**
DUO III	≥25L/hr	15MΩ·cm	≥2L/min	18.2MΩ·cm	<0.01CFU/mL	≤5ppb	<0.001EU/mL	<1pg/mL	<5pg/mL	<0.15µg/mL
DUO III-R	≥25L/hr	15MΩ·cm	≥2L/min	18.2MΩ·cm	<0.01CFU/mL	≤5ppb	<0.001EU/mL	<1pg/mL	<5pg/mL	<0.15µg/mL

** Using correct final filter TC004



DuoTM-i

Efficient dual quality



Reverse Osmosis and Ultrapure Water

- Dispense Type 1 and Type 3 water (optional) from the remote dispenser(s)
- Unique twin pass RO technology (<10µS/cm, typical <5µS/cm if feed condition is <2000µS/cm)
- Data capture with printable option
- Dispense Type 3 water from the reservoir
- Adjustable dispenser
- Cartridge traceability with data tag
- Auto Reservoir sanitisation option
- Interactive 7" touch screen
- Colour coded dispensing stations with up to three flexible dispensing options

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY (@25°C/77°F)	DISPENSE FLOW RATE	BACTERIA*	TOC****	ENDOTOXINS**	RNASE***	DNASE***	PROTEASE***
TYPE 3									
DUO-i III 5	5L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
DUO-i III 10	10L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
DUO-i III 20	20L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
DUO-i III 30	30L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
TYPE 1									
DUO-i III.I (ALL)	-	18.2MΩ·cm	≥2L/min	<0.01CFU/mL	≤5ppb	<0.001EU/mL	<1pg/mL	<1pg/mL	<0.15µg/mL

* With LWFS32302 final filter

*** With TCO04 final filter

** With LWFS32303 final filter

**** With feed water TOC less than 2ppm



DuoTM-i

Intelligent dual quality



Deionised and Ultrapure Water

- Dispense Type 1 and Type 2 water (optional) from the remote dispenser(s)
- Unique twin pass RO technology ensures enhanced DI cartridge capacity
- Data capture with printable option
- Dispense Type 2 water from reservoir
- Specific cartridges for your critical applications
- Integrated water leakage protection
- Adjustable dispenser
- Cartridge traceability with data tag
- Interactive 7" touch screen
- Colour coded dispensing stations with up to three flexible dispensing options

MODEL	MAKE-UP FLOW RATE (@15°C/59°F)	WATER QUALITY (@25°C/77°F)	DISPENSE FLOW RATE	BACTERIA*	TOC****	ENDOTOXINS**	RNASE***	DNASE***	PROTEASE***
TYPE 2									
DUO-i II.I 5	5L/hr	>5MΩ-cm	≥2L/min	<0.01CFU/ml	<30ppb	-	-	-	-
DUO-i II.I 10	10L/hr	>5MΩ-cm	≥2L/min	<0.01CFU/ml	<30ppb	-	-	-	-
DUO-i II.I 20	20L/hr	>5MΩ-cm	≥2L/min	<0.01CFU/ml	<30ppb	-	-	-	-
DUO-i II.I 30	30L/hr	>5MΩ-cm	≥2L/min	<0.01CFU/ml	<30ppb	-	-	-	-
TYPE 1									
DUO-i II.I (ALL)	-	18.2MΩ-cm	≥2L/min	<0.01CFU/ml	<5ppb	<0.001EU/mL	<1pg/mL	<1pg/mL	<0.15µg/mL

* With LWFS32302 final filter

*** With TCO04 final filter

** With LWFS32303 final filter

**** With feed water TOC less than 2ppm



Alto™ I

Ultrapure, Ultra-flexible

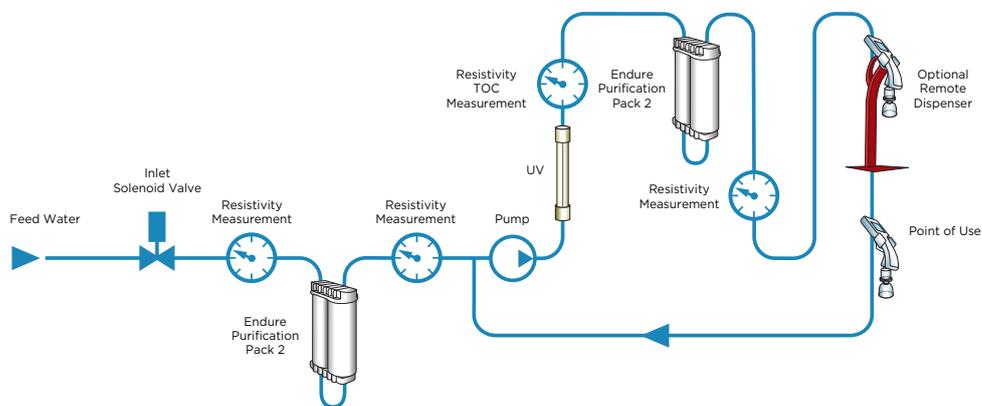


Ultrapure Water

- Type 1 water up to 2L/min
- Option of remote and/or integrated dispenser
- Intuitive, icon-based, interactive user interface with touch screen
- Mount on-bench, under-bench or on the wall
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease option available
- Volumetric and drop by drop dispensing

MODEL	DISPENSE WATER QUALITY (@25°C/77°F)	DISPENSE FLOW RATE	BACTERIA	TOC	ENDOTOXINS***	RNASE***	DNASE***	PROTEASE***	FEED WATER PRESSURE
ALTO I	18.2MΩ·cm	≥2L/min	<0.01CFU/ml	≤5ppb	<0.001EU/ml	<1pg/mL	<5pg/mL	<0.15µg/mL	1 - 6 bar 14.50 - 87 psi
ALTO I-T	18.2MΩ·cm	≥2L/min	<0.01CFU/ml	≤5ppb	<0.001EU/ml	<1pg/mL	<5pg/mL	<0.15µg/mL	0.1 - 1 bar 1.45 - 14.50 psi

*** Using correct final filter TC004



Alto™-i

Ultra-Intelligent,
Ultra-Informative

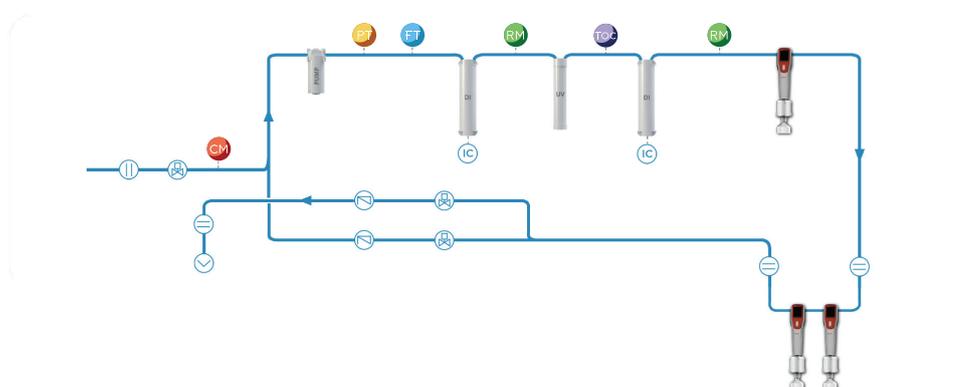


Ultrapure Water

- Type 1 water up to 2L/min
- Specific cartridges for your critical applications
- Data capture with printable option
- Cartridge traceability with data tag
- Interactive 7" touch screen
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease option available
- Volumetric and drop by drop dispensing
- Colour coded dispensing stations with up to three flexible dispensing options

MODEL	DISPENSE WATER QUALITY (@25°C/77°F)	DISPENSE FLOW RATE*	PARTICLES (>0.2µM)*	BACTERIA	TOC****	ENDOTOXINS**	RNASE***	DNASE***	PROTEASE***
ALTO-i I	18.2MΩ·cm	≥2L/min	<1/ml	<0.01CFU/ml	≤5ppb	<0.001EU/mL	<1pg/mL	<5pg/mL	<0.15µg/mL

* With LWFS32302 final filter
 ** With LWFS32303 final filter
 *** With TCO04 final filter
 **** With feed water TOC less than 50ppb



CF Flow transmitter
 RT Resistivity transmitter
 TOC TOC Indicator
 SV Solenoid valve
 IC Intelligent chip
 DR Drain
PT Pressure transmitter
 LS Level sensor
 CT Conductivity transmitter
 HV Hand valve
 CV Check valve
 CO Connector



Storage Reservoirs

Reservoir Specifications

- Smooth, crevice-free interior, fully drainable
- Made from high quality polyethylene
- Connection to feed a laboratory dishwasher
- Optional UV light kit available
- Optional distribution pump on the 100L tank*



RESERVOIR	UNIT DIMENSIONS (HxWxD)
100L TANK	810 x 480 x 360mm 31.8" x 18.9" x 14.1"
60L TANK	495 x 480 x 330mm 19.5" x 18.9" x 12.9"
30L TANK	495 x 450 x 230mm 19.5" x 17.7" x 9.1"

* Applicable to Non i-Series systems only



RESERVOIR	UNIT DIMENSIONS (HxWxD)	DRY WEIGHT
35L	600 x 390 x 384mm 23.6" x 15.4" x 15.1"	5kg 11lbs
70L	900 x 390 x 384mm 35.4" x 15.4" x 15.1"	7kg 15.4lbs
105L	1200 x 390 x 384mm 47.3" x 15.4" x 15.1"	9kg 19.8lbs

** Supplied with Puro-i III, Duo-i II.I and Duo-i III.I models only.

Accessories

Remote Dispensers

UNIT DIMENSIONS	DRY WEIGHT
845 x 280 x 300mm 33.3" x 11" x 11.8"	6kg 13.2lbs

** Applies to all i-Series models*

UNIT DIMENSIONS	DRY WEIGHT
640 x 250 x 255mm 25.2" x 9.84" x 10"	3kg 6.6lbs

** Applies to Alto I and Duo II.I*



i-Series Dispenser



Dispenser for Alto I and Duo II.I

i-Series Pre-treatment Module

UNIT DIMENSIONS	DRY WEIGHT
463 x 220 x 380mm 18.2" x 8.6" x 14.9"	7kg 15.4lbs

** Applies to Puro-i III, Duo-i III.I and Duo-i II.I*



Consumables

We manufacture and supply consumables for all of our Laboratory Water Systems:

- Pre-treatment cartridges
- RO cartridges
- DI cartridges
- Point of use filters
- Tank vent filters



Sustainability and Green Innovations.

Passing the benefits on to you

Our RO water systems recover a percentage of water processed through the RO membranes.

Due to the innovative configuration of the RO membrane and boost pump, when the final conductivity measurement is taken, any permeate water not meeting the required set point is recirculated back through the RO membrane rather than being flushed to drain. This process greatly improves the quality of the water and minimises water wastage.

Low Energy Consumption.

Avidity Science laboratory water systems use less electricity, when in standby. This helps to preserve natural resources, reduce pollution and save money.

Energy Saving Mode.

Avidity Science water systems automatically switch to energy saving mode after a period of inactivity. This reduces running costs and creates a quieter working environment.

Twin pass RO technology on *i*-Series models.

This technology is able to process incoming feed water of up to 2000 μ S/cm, which will provide consumers with high quality water of 5 μ S/cm and a 99% ion rejection. This in turn improves life expectancy on DI cartridges, therefore reducing the frequency of change and environmental impact. Less waste.

Anti-vibration and dampening technology for non *i*-Series models.

Using a unique dampening method, we have reduced pump noise and increased component life expectancy with less need for replacing critical parts.

Our Reservoirs and Purification Packs are manufactured from recyclable materials.

All of our reservoirs are smooth and crevice-free, which makes them easier to sanitise and less likely to cultivate microbial growth.

A Global Presence.

We are where you are, speaking your language



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