

# **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.



Certificate No: FS 558309



Management System  
ISO 9001:2015  
ID 01 100 2032646

*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**

*Many years of water purification and delivery methods to provide unparalleled solutions to the laboratory space.*

**SUPPORT**

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

**APPROACHABLE**

*We genuinely enjoy the customers we work with. When you have a shared passion, it's easy to work together for a joint goal.*

**Excellent service in all forms.**

User guides, video tutorials, online assistance, helpdesk 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 bespoke quote.**

<b>Why Choose a Service Contract?</b>	<b>Reduce Risk</b> Protect your equipment, your employees and your work
	<b>Create Savings</b> Regular maintenance reduces unexpected invoices for repairs
	<b>Consistent Results</b> 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

## Bespoke Water Systems for New Buildings and Laboratories

**We provide many water purification options for laboratories in university and clinical research environments, healthcare, diagnostics 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)	DEIONISED (DI)	ULTRAPURE
<p>&lt;40µS/cm Up to 98% rejection of incoming feedwater inorganics, typically</p>	<p>1-15MΩ-cm</p>	<p>18.2MΩ-cm</p>
APPLICATION		
<ul style="list-style-type: none"> <li>Autoclave Feed</li> <li>Glasswasher Feed</li> <li>Feed to Ultrapure Water Systems</li> <li>Hydroponics</li> <li>Steam Generators</li> </ul>	<ul style="list-style-type: none"> <li>Buffer &amp; Media Preparation</li> <li>Sample Dilution &amp; Reagent Preparation</li> <li>Spectrophotometry</li> <li>Protein Electrophoresis</li> <li>Cytology &amp; Histology</li> <li>Glassware Washing &amp; Rinsing</li> </ul>	<ul style="list-style-type: none"> <li>Molecular Biology</li> <li>Electrochemistry</li> <li>Critical Cell &amp; Tissue Culture</li> <li>(GF) AAS, HPLC, IC, ICPMS, GC, MS</li> <li>DNA Sequencing</li> <li>Genomics</li> <li>Proteomics</li> <li>Immunology</li> <li>Pharmacology</li> </ul>
PROCESS		
<p><b>Reverse Osmosis (RO)</b></p> <p>This is the most economical method of removing up to 98% of feed water inorganic contaminants and &gt;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.</p>	<p><b>Deionisation (DI) / Ion Exchange</b></p> <p>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.</p>	<p><b>Ultraviolet (UV) Photo Oxidation at 254nm &amp; 185nm</b></p> <p>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.</p> <p><b>Final Filtration</b></p> <p>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.</p>

# Introducing the *i-Series* water purification range

The *i-Series* water purification range offers superior reverse osmosis purification with up to 99% ion rejection, using the unique twin pass RO technology to cope with the most challenging of feed waters.

## *indisputable water quality*

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

## *intelligent monitoring*

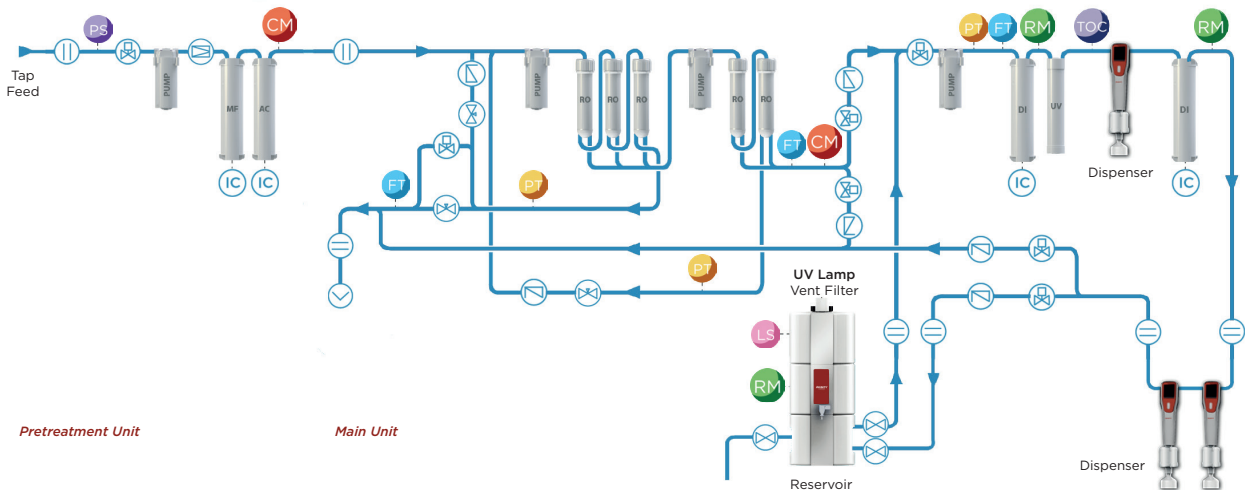
- **Data Capture**
- System Monitoring

## *information at a glance*

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

## *integrity 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.1 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)	WEIGHT	KEY FEATURES	PAGE IN BROCHURE
	500 x 490 x 290mm	23kg	<ul style="list-style-type: none"> <li>• RO dampening technology</li> <li>• Anti vibration</li> <li>• Variable flow rates</li> </ul>	10
	500 x 485 x 330mm	20kg	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Integrated tank</li> </ul>	11
✓	575 x 366 x 492mm	23kg	<ul style="list-style-type: none"> <li>• Twin pass RO</li> <li>• Data capture</li> <li>• Drop by drop dispensing</li> <li>• Cartridge traceability</li> </ul>	12
	500 x 490 x 290mm	23kg	<ul style="list-style-type: none"> <li>• RO dampening technology</li> <li>• Anti vibration</li> <li>• Variable flow rates</li> </ul>	13
	500 x 485 x 330mm	20kg	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Integrated tank</li> </ul>	14
✓	500 x 490 x 290mm	30kg	<ul style="list-style-type: none"> <li>• RO dampening technology</li> <li>• Variable flow rates</li> <li>• Drop by drop dispensing</li> </ul>	15
✓	575 x 366 x 492mm	23kg	<ul style="list-style-type: none"> <li>• Twin pass RO</li> <li>• Data capture</li> <li>• Drop by drop dispensing</li> <li>• Cartridge traceability</li> </ul>	16
✓	575 x 366 x 492mm	23kg	<ul style="list-style-type: none"> <li>• Twin pass RO</li> <li>• Data capture</li> <li>• Drop by drop dispensing</li> <li>• Cartridge traceability</li> </ul>	17
✓	500 x 490 x 290mm	23kg	<ul style="list-style-type: none"> <li>• Anti vibration</li> <li>• Automatic flush</li> <li>• Cartridge traceability</li> <li>• Drop by drop dispensing</li> </ul>	18
✓	575 x 366 x 492mm	23kg	<ul style="list-style-type: none"> <li>• Application specific cartridges</li> <li>• Data capture</li> <li>• Drop by drop dispensing</li> <li>• Cartridge traceability</li> </ul>	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

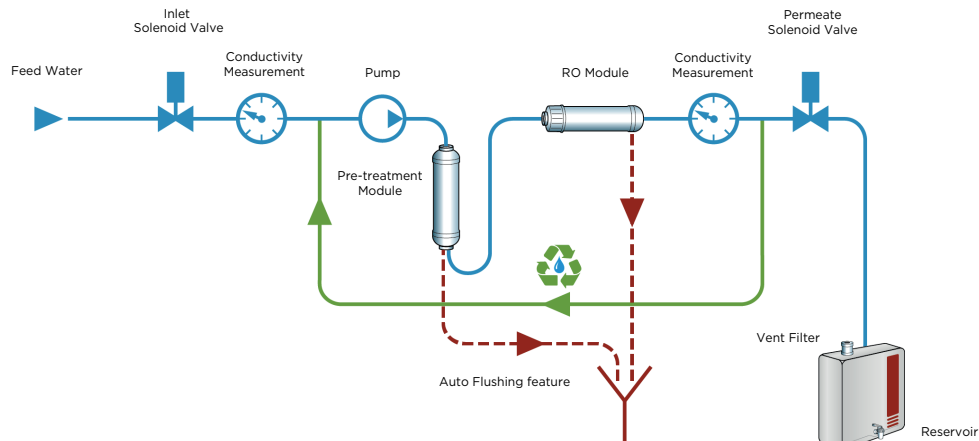


## Reverse Osmosis

- 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 touchscreen
- Integrated leak detector and boost pump
- Choice of storage reservoir size

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

\*\* Depending on feedwater impurities



Scan me to view Technical Specifications of system



# Puro™ III T

*Small in size.  
Big in Benefits*



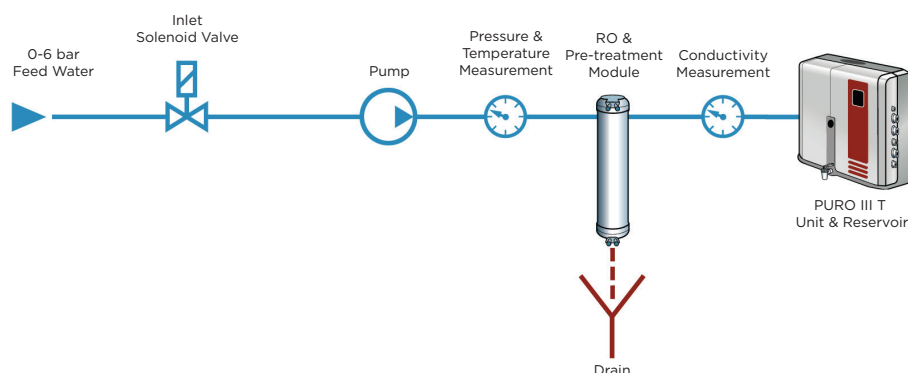
## Reverse Osmosis

- Space-saving footprint with integrated 35L reservoir
- Make up rate 10 or 20L/hr with fast dispense
- Intuitive, icon-based, interactive user interface with touchscreen
- 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)	WATER QUALITY	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)*	FEED WATER PRESSURE
<b>PURO III T 10</b>	10L/hr	<40µS/cm	≥98%	100L/day	0.1 - 6 bar
<b>PURO III T 20</b>	20L/hr	<40µS/cm	≥98%	200L/day	0.1 - 6 bar

\* Based on make-up rate of 10hr/day excluding DI resin capacity

\*\* On UV model and depending on feedwater impurities



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# Puro™-i

*Confidence  
in quality*

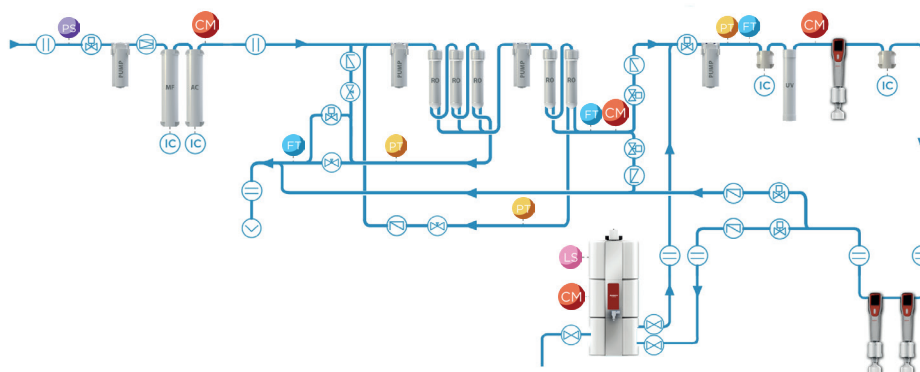


## Reverse Osmosis














- 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 pretreatment options for variable feedwater quality

MODEL	MAKE-UP FLOW RATE (@15°C)	WATER QUALITY	DISPENSE FLOW RATE	INORGANICS REJECTION RATE	BACTERIA*	PARTICLES (>0.2 μM)*	FEED WATER PRESSURE
<b>PURO-i III 5</b>	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
<b>PURO-i III 10</b>	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
<b>PURO-i III 20</b>	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
<b>PURO-i III 30</b>	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

\* With LWFS32302 final filter



Scan me to  
view Technical  
Specifications of  
system

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



# Geno™ II

Beyond expectation



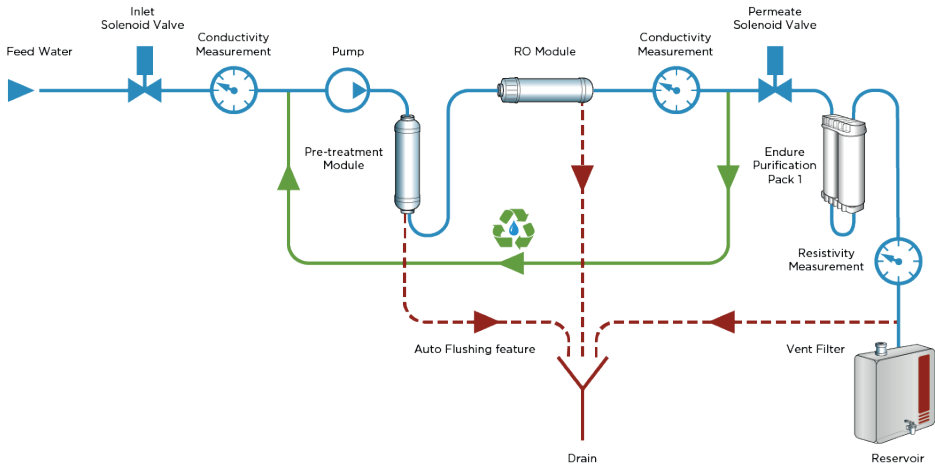
## Deionised Water

- 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 touchscreen
- Integrated leak detector and boost pump
- Choice of storage reservoir size

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

\* Depending on tank and pump setup

\*\* Depending on feedwater impurities



Scan me to view Technical Specifications of system



# Geno™ II T

*For all sensitive laboratory applications*



## Deionised Water

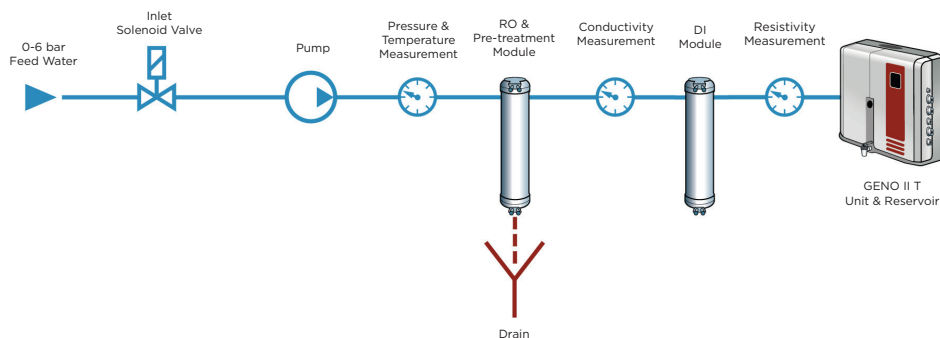
- Type 2 (DI) water
- Space-saving footprint with integrated 35L reservoir
- Make up rate 10 or 20L/hr with fast dispense
- Intuitive, icon-based, interactive user interface with touchscreen
- Wall or bench mounting
- Quiet, internal boost pump and patented anti-vibration mountings
- Energy consumption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

MODEL	MAKE-UP FLOW RATE (@15°C)	WATER QUALITY (@25°C)	TOC REDUCTION***	INORGANICS REJECTION RATE**	DAILY USAGE (MAX)*	FEED WATER PRESSURE
<b>GENO II T 10</b>	10L/hr	1 - 15MΩ·cm	96%	≥98%	100L/day	0.1 - 6 bar
<b>GENO II T 20</b>	20L/hr	1 - 15MΩ·cm	96%	≥98%	200L/day	0.1 - 6 bar

\* Based on make-up rate of 10hr/day excluding DI resin capacity

\*\* On UV model and depending on feedwater impurities

\*\*\* Depending on feed water quality



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# Duo™

*Dual quality;  
One clear  
solution*

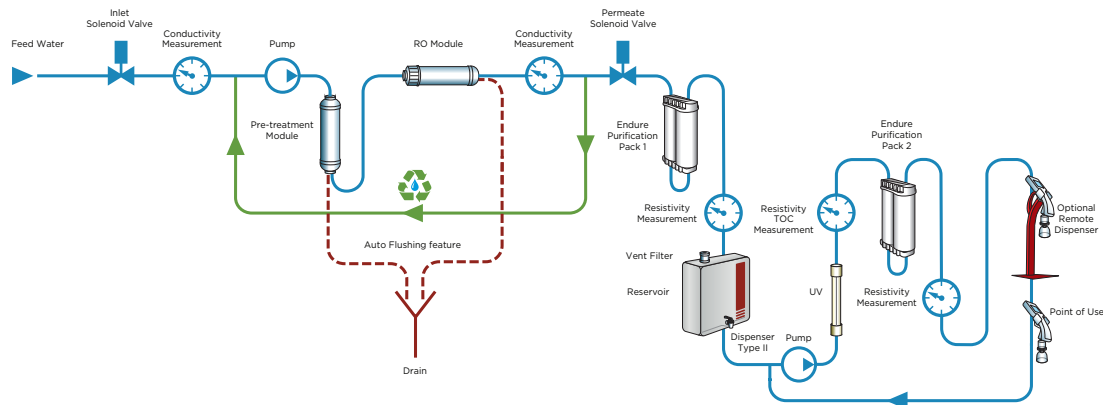


## Deionised and Ultrapure Water

- Type 2 and Type 1 water quality from one unit
- Option of integrated and remote dispensers (up to two)
- Intuitive, icon-based, interactive user interface with touchscreen
- 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)	WATER QUALITY (@25°C)	DISPENSE FLOW RATE	DISPENSER WATER QUALITY (@25°C)	BACTERIA	TOC	ENDOTOXINS**	RNASE**	DNASE**	PROTEASE**
<b>DUO II.I</b>	≥25L/hr	15MΩ·cm	≥2L/min	18.2MΩ·cm	<0.01CFU/mL	≤5ppb	0.001EU/mL	<1pg/mL	<5pg/mL	<0.15µg/mL
<b>DUO II.I-R</b>	≥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



Scan me to view Technical Specifications of system



# Duo<sup>TM</sup>-i



Efficient  
Dual Quality



## Reverse Osmosis and Ultrapure Water

- Dispense Type 3 and Type 1 water from the remote dispensers
- 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 flexible dispensing options

MODEL	MAKE-UP FLOW RATE (@15°C)	WATER QUALITY (@25°C)	DISPENSE FLOW RATE	BACTERIA*	TOC****	ENDOTOXINS**	RNASE***	DNASE***	PROTEASE***
<b>TYPE 3</b>									
<b>DUO-i III 5</b>	5L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
<b>DUO-i III 10</b>	10L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
<b>DUO-i III 20</b>	20L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
<b>DUO-i III 30</b>	30L/hr	<5µS/cm	≥2L/min	<0.01CFU/mL	<30ppb	-	-	-	-
<b>TYPE 1</b>									
<b>DUO-i II.I (ALL)</b>	-	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



SCAN ME

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# Duo<sup>TM</sup>-i

*Intelligent  
Dual Quality*



## Deionised and Ultrapure Water

- Dispense Type 2 and Type 1 water from the remote dispensers
- Unique twin pass RO technology ensures enhanced DI cartridge capacity
- Data capture with printable option
- 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 flexible dispensing options

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

\* With LWFS32302 final filter

\*\*\* With TC004 final filter

\*\* With LWFS32303 final filter

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



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# Alto™

Ultrapure,  
Ultra-flexible

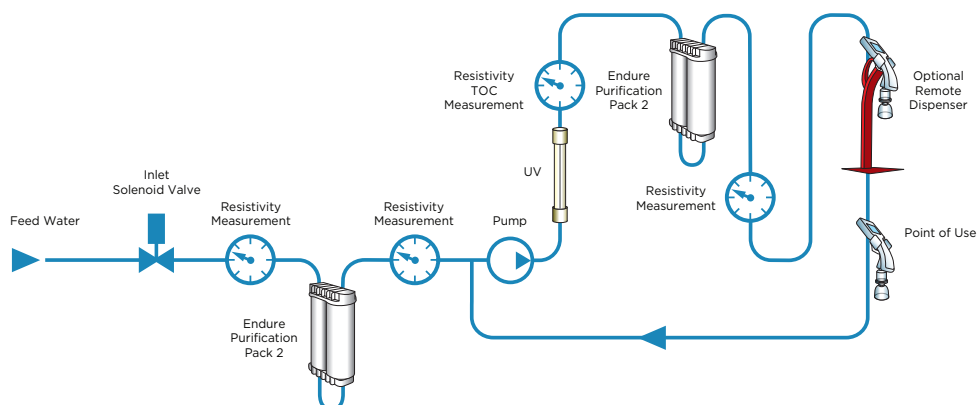


## Ultrapure Water

- Type 1 water up to 2L/min
- Option of integrated and remote dispensers (up to two)
- Intuitive, icon-based, interactive user interface with touchscreen
- 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)	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
ALTO I-T	18.2MΩ·cm	≥2L/min	<0.01CFU/ml	≤5ppb	0.001EU/ml	<1pg/mL	<5pg/mL	<0.15µg/mL	0.1 bar

\*\*\* Using correct final filter TC004



Scan me to  
view Technical  
Specifications of  
system



# Alto™-i I

Ultra-Intelligent,  
Ultra-Informative

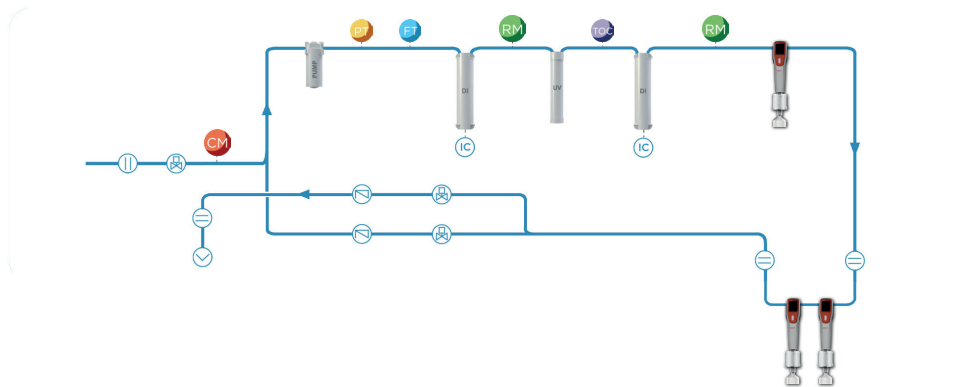


## Ultrapure Water

- 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
- Flexible dispensing options
- Drop by drop dispensing

MODEL	DISPENSE WATER QUALITY (@25°C)	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



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



Scan me to view Technical Specifications of system



# 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 (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 450 (W) x 230 (D)

\* Applicable to Non i-Series systems only



RESERVOIR	UNIT DIMENSIONS (mm)	DRY WEIGHT (kg)
35L	600 (H) x 390 (W) x 384 (D)	5
70L	938 (H) x 390 (W) x 384 (D)	7
105L	1200 (H) x 390 (W) x 384 (D)	9

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

# Accessories

## Remote Dispensers

UNIT DIMENSIONS (mm)	DRY WEIGHT (kg)
845 (H) x 280 (W) x 300 (D)	6

\* Applies to all i-Series models

UNIT DIMENSIONS (mm)	DRY WEIGHT (kg)
640 (H) x 250 (W) x 255 (D)	3

\* Applies to Alto I and Duo II.I



i-Series



Non i-Series

## i-Series Pretreatment Module

UNIT DIMENSIONS (mm)	DRY WEIGHT (kg)
463 (H) x 220 (W) x 380 (D)	7

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



## Consumables

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

- Pretreatment 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 $\mu$ S/cm, which will provide consumers with high quality water of 5 $\mu$ 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



## **Avidity Science, Ltd.**

Unit D4 Drakes Park, Long Crendon  
Industrial Estate, Bucks. HP18 9BA UK  
T: +44 (0)1844 201142  
E: EMEA.Info@avidityscience.com  
[www.AvidityScience.com/en\\_gb](http://www.AvidityScience.com/en_gb)

## **Avidity Science, LLC.**

819 Bakke Avenue Waterford,  
Wisconsin 53185 USA  
T: +1 262-534-5181  
E: US.Info@avidityscience.com  
[www.AvidityScience.com](http://www.AvidityScience.com)

## **Avidity Science, SAS.**

250 bis boulevard Saint Germain,  
75007 Paris. France  
T: +33 1 87 65 09 95  
E: France@avidityscience.com  
[www.AvidityScience.com](http://www.AvidityScience.com)

## **Avidity Science (Zhejiang) Co., Ltd.**

Bld F, No. 1332, WanGuo Road, EDZ, Jiaxing,  
Zhejiang, China. 341001  
T: +86 (0)573 8282 8199  
E: CH.Info@avidityscience.com  
[www.AvidityScience.cn](http://www.AvidityScience.cn)

## **Avidity Science, K.K.**

Izumi Akasaka Building 6th Floor, 2-22-24  
Akasaka Minato-ku, Tokyo 107-0052  
T: +81 (0)3 6277 8440  
E: JP.Info@avidityscience.com  
[www.AvidityScience.jp](http://www.AvidityScience.jp)

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