DI
TYPE 2 WATER

18.2MΩ
TYPE 1 WATER



Duo™

Dual quality. One clear solution.

Deionised *and* Ultrapure Water

The laboratory water system providing highest specification, as standard.

The Duo™ combines the trusted purifying technology of the Geno™ Type 2 system, with the impressive flexibility of the Alto™ Type 1. Process potable water to Type 2 for the storage reservoir; to be used for general laboratory application, or for when you call for Type 1 from the dispenser as required.

Applications:

Type 1: Molecular Biology, Electrochemistry, Critical Cell & Tissue Culture, (GF) AAS, HPLC, IC, ICPMS, GC, MS, DNA Sequencing, Genomics, Proteomics, Immunology, Pharmacology

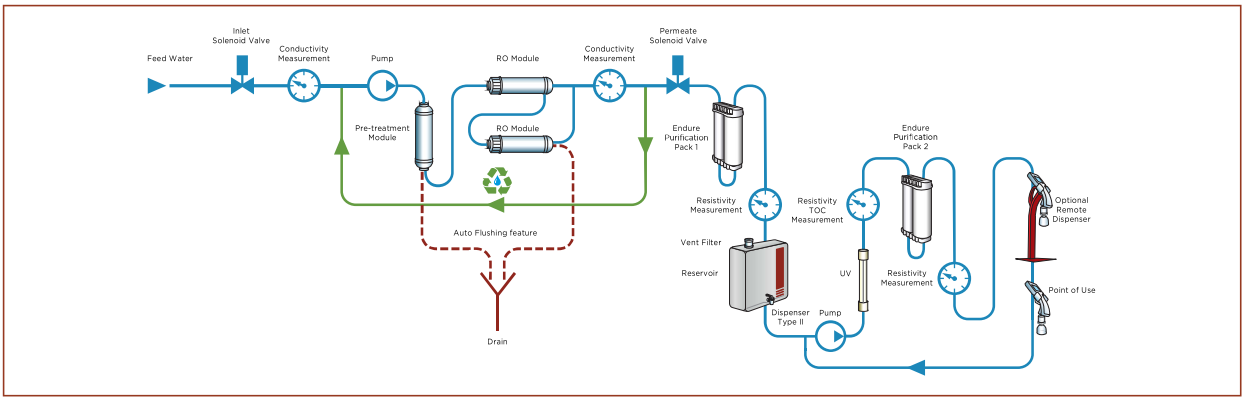
Type 2: Buffer & Media Preparation, Sample Dilution & Reagent Preparation, Spectrophotometry, Protein Electrophoresis, Cytology & Histology, Glassware Washing & Rinsing

Unrivalled delivery.

Tailor the delivery options to your demands. Fill a 30 litre reservoir in 1.5 hours with General Laboratory Grade water and use the intuitive volumetric dispense to call for Ultrapure water exactly when your work requires it at up to 2L/min.

Dual quality. Dual pass. Dual wavelength.

The Duo™ applies the most effective features from the whole range. This includes the low-wastage RO recirculation loop, UV light technology at 185nm/254nm dual wavelengths, Endure purification packs, continuous TOC monitoring and anti-vibration technologies to minimise noise. It's the whole package.



Duo. The best of both worlds.

Features:

- Option of integrated and remote dispensers (up to two)
- Intuitive, icon-based, interactive user interface with touchscreen
- Fast dispense of up to 2L/min Ultrapure Water with volumetric dispense as standard
- Type II make up rate of 10 or 20 litres per hour with a choice of reservoir size
- Mount on-bench, under-bench or on the wall
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease options available



MODEL	18.2M DISPENSE (@15°C)	DI MAKEUP RATE (@15°C)	DISPENSER WATER QUALITY	BACTERIA	TOC	ENDOTOXINS	RNASE	DNASE	PROTEASE	FEED WATER PRESSURE
DUO10	2L/min	10L/hr	18.2MΩ	<1 cfu/mL	≤5ppb	-	-	-	-	0.1 - 6 bar
DUO10UF	2L/min	10L/hr	18.2MΩ	<1 cfu/mL	≤5ppb	0.001 EU/mL	<1pg/mL	<5pg/mL	<0.15 µg/mL	0.1 - 6 bar
DUO20	2L/min	20L/hr	18.2MΩ	<1 cfu/mL	≤5ppb	-	-	-	-	0.1 - 6 bar
DUO20UF	2L/min	20L/hr	18.2MΩ	<1 cfu/mL	≤5ppb	0.001 EU/mL	<1pg/mL	<5pg/mL	<0.15 µg/mL	0.1 - 6 bar



It's so quiet. It's a Duo™.

With the same patented anti-vibration technology as the Pico™, the Duo™ has a quiet operation volume, as to not disturb your working environment.

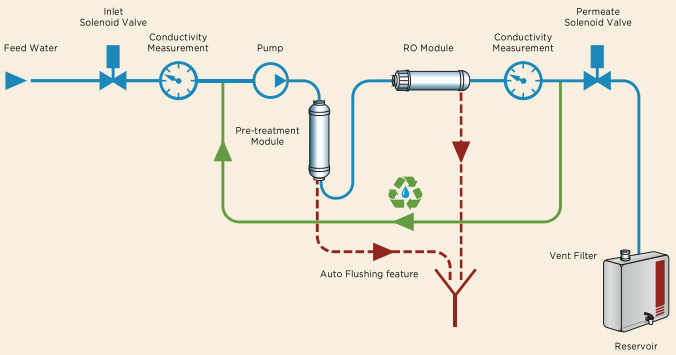
UNIT DIMENSIONS (mm)	WEIGHT (kg)
500 (H) x 490 (W) x 290 (D)	30

Sustainability and Green Innovations.

Passing the benefits on to you.

Our RO water systems recovers 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.



Puro Flowchart

Low Energy Consumption.

Avidity Science laboratory water systems use less electricity than a domestic light bulb (60 watts), when in standby. This helps to preserve natural resources, reduce pollution and save money.

Energy Saving Mode.

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

Our Reservoirs and Endure™ 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.

Anti-vibration and dampening technology.

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

Consumable life is extended, saving you money.

Our cartridges are not chipped via RFID (radio frequency identification) like many other models on the market, meaning that you change them when they are fully exhausted, not when the internal timer dictates. This helps minimise waste to contribute to a greener environment and reduces costs.