

Purite Analyst

Compact water purification system, developed for routine pure water laboratory tasks



The Purite Analyst is a compact unit ideal for laboratory use, delivering a steady supply of $> 1\text{M}\Omega\cdot\text{cm}$ pure water for laboratory tasks using carbon pre-treatment, reverse osmosis and deionisation. Typical applications include glassware rinsing, buffers and stains, reagent make-up, and media preparation.

Additional features

- Guaranteed $> 1\text{M}\Omega\cdot\text{cm}$ water quality
- Remote display (optional)
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste.

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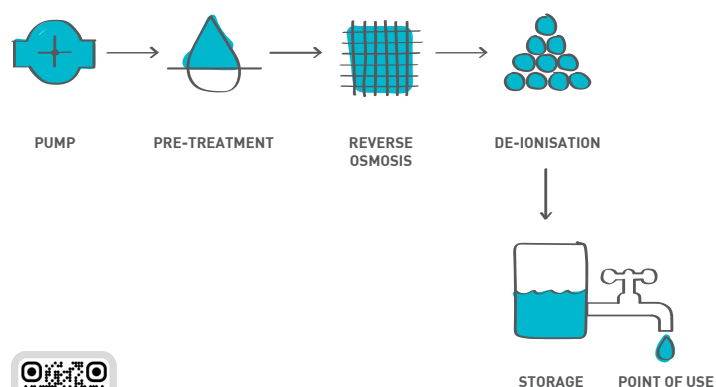
Common Purite Features

Our Purite range of water purification systems are compact, robust, simple to use, easy to maintain and available in six standard models: Analyst, HP, Purewater 300 Package, Fusion, HPA 30 and Neptune Ultimate.

Common features of all our Purite systems include:

- Space-saving, dependable, bench top or wall mounted systems
- RO Removes > 98% minerals and > 99% bacteria
- Choice of production rates up to 48 l/hr
- Optional external storage tanks up to 100 litres
- RO Boost pump fitted as standard
- Installation kit and all consumables included for first few months operation
- LCD colour touch screen panel
- Visual and audible alarms included
- Utilises carbon pre-treatment, RO and deionisation
- USB port to download event data and upload software updates
- Integral 20 litre storage as standard (excludes Neptune Ultimate)
- Semi-automatic clean cycle.

Purite Analyst Process Flow



Visit online!

PURITE

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Technical Specifications

Unit Specification	160	320
Width (mm)	440	
Depth (mm)	560	
Height (mm)	750	
Max shipping weight (kg)	36	41
Max working weight (kg)	51	59
Installation requirements		
Power	Single Phase, 110-230V, +/- 10%, 50/60 Hz	
Feed water	Potable	
Maximum TDS (ppm)	1000	
Minimum inlet pressure - psi (bar)	30 (2.1)	
Maximum inlet pressure - psi (bar)	90 (6.2)	
Feed water temperature	1-35°C	
Product outputs*		
@ 10°C (l/hr)	14.4	30
@ 25°C (l/hr)	24	48

* Product outputs based on a feed water pressure of 4 bar

System Specification	
Pure water storage	20 litre storage tank as standard (External 50 & 100 litre tanks available)
Display panel	LCD – Colour touch screen
Pre-treatment cartridge	✓
Reverse osmosis	✓
Deionisation cartridge	✓
Internal filtration	-
Point of use	-
UV lamp	-
Recirculation pump	-
Ultrapure polishing cartridge	-

Treated Water Specification	
Inorganics	> 1MΩ.cm
pH ¹	Neutral
Bacteria	> 99% rejection ²
Organics – TOC (ppb)	< 50
Particles	-
Endotoxins	-
DNases	-
RNases	-
Dispense modes	Bib tap on storage tank
Dispense flow rate	-

¹ pH of stored water may decrease due to absorption of free carbon dioxide

² When measured directly across the membrane