

select analyst

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



The Select 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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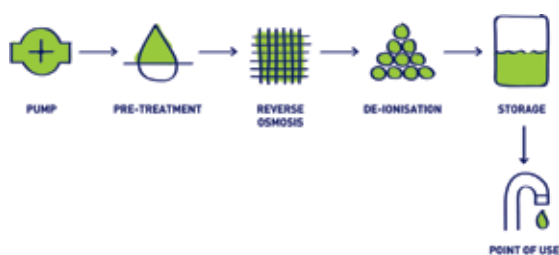
common select features

Our Select range of water purification systems is compact, robust, simple to use and easy to maintain and available in five standard models: Analyst, HP, Purewater 300, Fusion and Neptune Ultimate.

Common features of all our Select 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 year's 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.

Select Analyst Process Flow



contact

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technical specifications

Unit Specification	40/80/160	320
Width (mm)	440	
Depth (mm)	560	
Height (mm)	750	
Max shipping weight (kg)	28	33
Max working weight (kg)	43	52
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)	3.6 / 7.2 / 14.4	30
@ 25°C (l/hr)	6 / 12 / 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	Latched - hold - volumetric
Dispense flow rate	-

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

² When measured directly across the membrane

