

select hp

compact water purification system, designed to guarantee a consistent supply of high quality pure water



The Select HP is a compact unit designed to produce a consistent supply of > 10M Ω .cm water for HPLC, ion chromatography, atomic absorption, hydrogen generation, and clinical analyser feed.

Additional features

- Guaranteed > 10M Ω .cm water quality
- Remote Dispense Pod (Optional)
- Energy saving intelligent stand-by mode
- Dispense rate of up to 2 litres/min
- 0.2 μ m point of use bacterial filter
- Water quality parameters, M Ω .cm, $^{\circ}$ C, flowrate displayed
- Selectable manual and volumetric dispense feature
- Internal 0.1 μ m bacterial filtration
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste.



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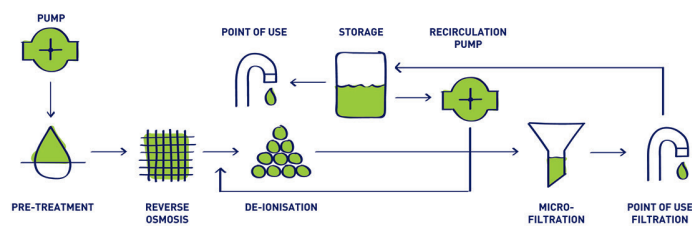
common select features

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 HP Process Flow



technical specifications

Unit Specification	40/80/160	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)	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	0.1µm
Point of use	0.2µm
UV lamp	✓*
Recirculation pump	✓
Ultrapure polishing cartridge	-

* External tank version only

Treated Water Specification	High Purity Dispense	Purified Water Storage Tank
Inorganics	> 10MΩ.cm	
pH*	Neutral	
Bacteria	< 1cfu/ml	
Organics - TOC (ppb)	< 20	
Particles	< 0.1µm	
Endotoxins	-	
DNases	-	
RNases	-	
Dispense modes	Latched - hold - volumetric	
Dispense flow rate	up to 2.0 l/min	

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

contact

Water Purification Systems

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