

select neptune ultimate

reliable water purification system, consistently delivering ultrapure water for laboratories



The Select Neptune Ultimate provides a high flow of guaranteed 18.2MΩcm ultrapure water for analytical and life science laboratory applications.

The Select Neptune Ultimate utilises a number of proven technologies to produce ultra-pure, 18.2MΩ.cm water on-demand, including:

- Ion exchange cartridges incorporating monospherical, semiconductor grade mixed bed deionising resin with a low TOC leaching profile and a high activity organic absorption media
- Sub-micron and ultrafilter to remove particles, bacteria and endotoxins
- 185nm or photo-oxidising UV to cleave organic compounds into smaller charged ionic species that can be removed by ion exchange
- 254nm UV to reduce bacteria by more than 99%.



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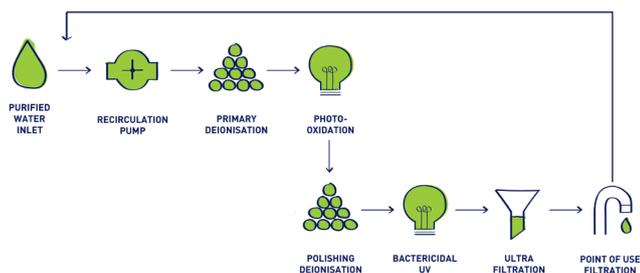
compact water purification system, developed for pure water laboratory tasks

additional features

Our Select Neptune Ultimate is compact, robust, simple to use and easy to maintain. Other features of the Select Neptune Ultimate include:

- Space-saving, bench top or wall mounted systems
- Dispense rate up to 2l/min
- Installation kit and all consumables included for first year's operation
- LCD colour touch screen panel
- Visual and audible alarms included
- USB port to download event data and upload software dates
- Semi-automatic clean cycle
- TOC monitoring
- Point of use 0.2µm filtration

Select Neptune Ultimate Process Flow



technical specifications

Unit Specification	
Width (mm)	310
Depth (mm)	560
Height (mm)	750
Max shipping weight (kg)	21
Max working weight (kg)	29
Installation requirements	
Power	Single Phase, 110-230V, +/- 10%, 50/60 Hz
Feed water	< 20µS/cm
Maximum TDS (ppm)	< 14
Minimum inlet pressure - psi (bar)	5 (0.34)
Maximum inlet pressure - psi (bar)	20 (1.38)
Feed water temperature	1-35°C

System Specification	
Display panel	LCD - Colour touch screen
Internal filtration	Ultrafiltration
Point of use	0.2µm
UV lamp	185nm & 254nm
Recirculation pump	✓
Ultrapure polishing cartridges	✓
Dispense modes	Latched - hold - volumetric
Dispense flow rate	up to 2.0 l/min

Treated Water Specification	
Inorganics	18.2MΩ.cm
pH*	Neutral
Bacteria	< 0.1cfu/ml
Organics - TOC (ppb)	< 1
Particles	Ultrafiltration
Endotoxins	< 0.001EU/ml
DNases	< 4pg/µl
RNases	< 0.01ng/ml

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

contact

Water Purification Systems

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