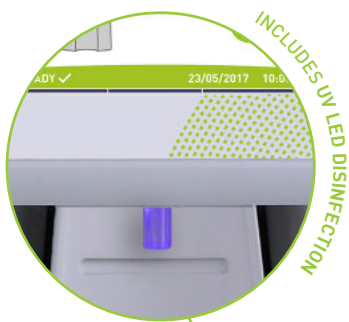


purite neptune ultimate

reliable water purification system, consistently delivering ultrapure water for laboratories



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

The Purite 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%
- UV LED disinfection incorporated within the dispense head
- WiFi enabled for remote monitoring and operation.



purite neptune ultimate

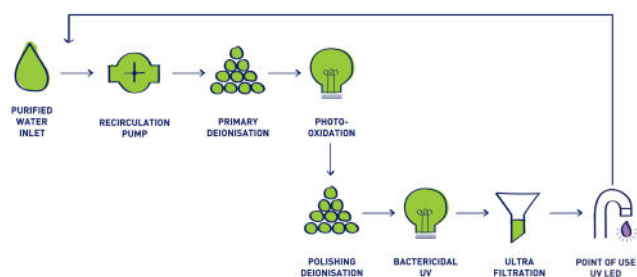
compact water purification system, developed for pure water laboratory tasks

additional features

Our Purite Neptune Ultimate is compact, robust, simple to use and easy to maintain. Other features of the Purite 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 few months 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.

purite neptune ultimate process flow



contact

Water Purification Systems

Email: mail.waterpurificationsystems.uk@suez.com

Web: www.suezwatertechnologies.com/products/water-purification



The application of these marks only confirm that the QMS have been approved by LR, they are not an endorsement, by LR, of any products or services offered by SUEZ WPS

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 | UV / LED |
| 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 | 0.005µm |
| Endotoxins | < 0.001EU/ml |
| DNases | < 4pg/µl |
| RNases | < 0.01ng/ml |

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

