

purite purewater 300

designed for laboratory glassware washing machines and climatic cabinets



The Purite Purewater 300 is designed specifically for use with laboratory glassware washing machines, providing rinse water to a purity of over 1M Ω .cm at a flow rate of up to 48 litres per hour.

It can be fitted with an on-demand pure water boost pump to provide up to 1.5 bar pressurised feed with a flow rate of up to 200 litres per hour.

Additional features

- Guaranteed > 1M Ω .cm water quality
- Production rate up to 48 litres per hour
- On-demand pure water boost pump for pressurised output
- Additional high flow gravity outlet
- WiFi enabled for remote monitoring and operation
- Installation kit and all consumables included for first few months operation.



purite purewater 300

ideal for laboratory applications

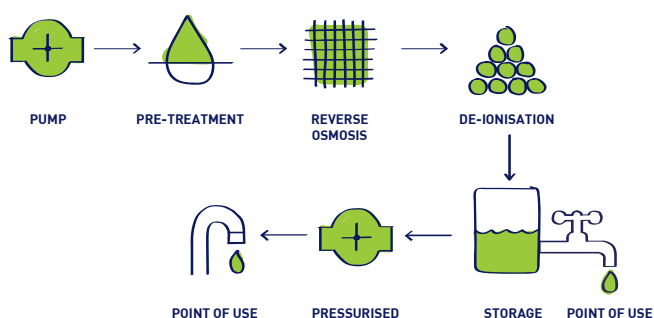
common purite features

Our Purite range of water purification systems is compact, robust, simple to use and easy to maintain and available in six standard models: Analyst, edi 60, HP, Purewater 300, Fusion 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 purewater 300 process flow



technical specifications

| Unit Specification | |
|------------------------------------|---|
| Width (mm) | 440 |
| Depth (mm) | 560 |
| Height (mm) | 750 |
| Max shipping weight (kg) | 33 |
| Max working weight (kg) | 51 |
| 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) | 30 |
| @ 25°C (l/hr) | 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 | up to 200 l/hour @ 1.5 bar |

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

² When measured directly across the membrane

contact

Water Purification Systems

Email: mail.waterpurificationsystems.uk@suez.com

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



purite hpa 30

compact water purification system, designed to guarantee a consistent supply of high quality pure water for clinical analyser feed



Compact, simple to operate and maintain, complete with an integral 20 litre storage tank as standard. Compatible for supply to all analyser manufacturers.

Additional features

- Guaranteed > 10MΩ.cm water quality
- Remote Display Pod (Optional)
- Energy saving intelligent stand-by mode
- Manual dispense from storage tank
- Colour touch screen display with process graphics
- Water quality parameters, MΩ.cm, °C, flowrate displayed
- Internal microfiltration
- Make-up production rate of 30 litres per hour (@10 °C)
- 20, 50 and 100 litre storage options
- Can be bench, under bench or wall mounted
- WiFi enabled for remote monitoring and operation
- 8mm pressurised outlet for direct connection to analyser.



purite hpa 30

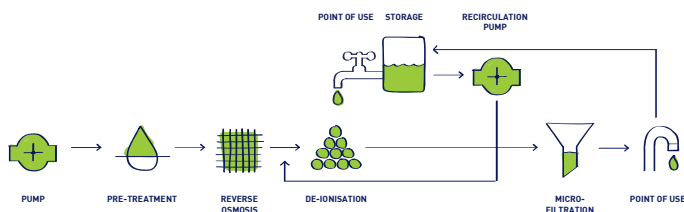
compact, simple to operate and maintain,
complete with an integral 20 litre storage
tank as standard. compatible for supply to
all analyser manufacturers.

purite hpa features

The Purite HPA 30 is a compact unit designed to produce a consistent supply of > 10MΩ.cm water for clinical analyser feed.



puritre hpa 30 process flow



technical specifications

| Unit Specification | |
|------------------------------------|---|
| Width (mm) | 440 |
| Depth (mm) | 560 |
| Height (mm) | 750 |
| Max shipping weight (kg) | 41 |
| Max working weight (kg) | 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 |
| Make up outputs* | |
| @ 10°C (l/hr) | 30 |
| @ 25°C (l/hr) | 48 |

*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 | Microfiltration |
| Recirculation pump | ✓ |

| Treated Water Specification | Purified Water Storage Tank |
|-----------------------------|-----------------------------|
| Inorganics | > 10MΩ.cm |
| pH* | Neutral |
| Bacteria | < 1cfu/ml |
| Organics - TOC (ppb) | < 20 |
| Particles | < 0.1µm |
| Pressurised outlet (8mm) | Up to 2l/min @ 2.3-2.5 bar |

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

contact

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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 > 1M Ω .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 > 1M Ω .cm water quality
- Remote display (optional)
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste
- WiFi enabled for remote monitoring and operation.



purite analyst

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

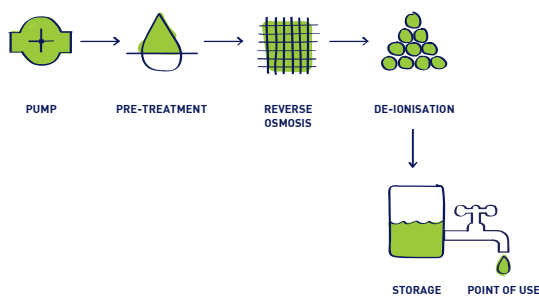
common purite features

Our Purite 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 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



contact

Water Purification Systems

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



Errors and Omissions excluded. SUEZ reserves the right to change the specification in accordance with our program of continual improvement.

technical specifications

| Unit Specification | 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) | 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



purite edi 60

cost effective water purification system, utilising electro-deionisation technology, developed for routine pure water laboratory tasks



The Purite edi 60 is a compact unit ideal for laboratory use delivering a constant supply of $>5\text{M}\Omega\cdot\text{cm}$ pure water for laboratory tasks using activated carbon pre-treatment, double pass reverse osmosis, carbon dioxide membrane degassing and electro-deionisation technology. Typical applications include, glassware rinsing, buffers, and stains, reagent make-up and media preparation.

Additional features

- Guaranteed $>5\text{M}\Omega\cdot\text{cm}$ water quality (BS 3696 / ASTM type II/III)
- Double pass RO pre-conditioning
- Long life edi cell
- Low maintenance
- Low running costs
- WiFi enabled for remote monitoring and operation.



purite edi 60

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

purite edi 60 features

The Purite edi 60 unit is compact, robust, simple to use, easy to maintain and inexpensive to run.

Other features of the Purite edi 60 include:

- Space-saving, bench top or wall mounted systems
- Optional 50 & 100 litre storage tanks
- RO boost pump fitted as standard
- USB port to download event data and upload software updates
- Installation kit and all consumables
- LCD colour touch screen panel
- Audible and visual alarms
- Semi-automatic clean cycle
- Remote display (optional)
- Membrane degasser for enhanced edi performance.

technical specifications

| Unit Specification | |
|------------------------------------|---|
| Width (mm) | 440 |
| Depth (mm) | 560 |
| Height (mm) | 750 |
| Max shipping weight (kg) | 35 |
| Max working weight (kg) | 55 |
| Installation requirements | |
| Power | Single Phase, 110-230V, +/- 10%, 50/60 Hz |
| Feed water | Potable |
| Maximum TDS (ppm) | 1000 |
| Minimum inlet pressure - psi (bar) | 20 (1.4) |
| Maximum inlet pressure - psi (bar) | 90 (6.2) |
| Feed water temperature | 1-35°C |
| Product outputs* | |
| @ 10°C (l/hr) | 6 |
| @ 25°C (l/hr) | 10 |

* Product outputs based on a feed water pressure of 2 bar

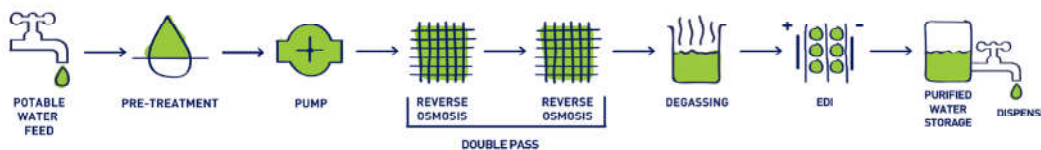
| System Specification | |
|-----------------------------|--|
| Pure water storage | 20 litre storage tank as standard (50 and 10 litre optional) |
| Display panel | LCD – Colour touch screen |
| Pre-treatment cartridge | ✓ |
| Double pass reverse osmosis | ✓ |
| Electro-deionisation | ✓ |

| Treated Water Specification | |
|-----------------------------|------------------|
| Inorganics | >5MΩ.cm |
| pH* | Neutral |
| Bacteria | >99% rejection** |
| Organics – TOC (ppb) | <50 |

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

** When measured directly across the membrane

purite edi 60 process flow



contact

Water Purification Systems

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purite fusion

robust dual quality water purification system
for the laboratories and life science sector



The Purite Fusion is a self-contained water purification unit that reliably delivers a steady supply of 18MΩ.cm purified water from a mains supply to life science laboratories. Diagnostic uses include histology, cell and tissue culture, DNA sequencing and IVF.

Additional features

- Dual water quality available 1-10MΩ.cm (Type-II) and 18.2MΩ.cm (Type-I)
- Remote Dispense Pod (Optional)
- Energy saving intelligent stand-by mode
- Dispense rate of up to 2 litres/min
- 0.2µm point of use bacterial filter
- Water quality parameters, TOC, MΩ.cm, °C and flowrate displayed
- Selectable manual and volumetric dispense feature
- 5000m.wt cut off Ultrafiltration for endotoxin, RNase/DNase removal
- Dual wavelength (185nm/254nm) UV irradiation
- Integral TOC indicator
- UV LED disinfection incorporated within the dispense head
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste
- WiFi enabled for remote monitoring and operation.



purite fusion

robust dual quality water purification system for the laboratories and life science sector

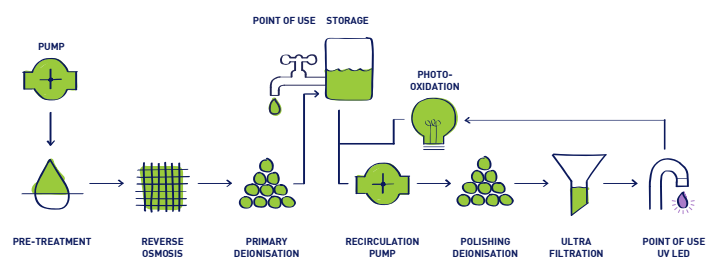
common purite features

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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 fusion process flow



contact

Water Purification Systems

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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 | Ultrafiltration |
| Point of use | 0.2µm (optional) |
| UV lamp | 185nm / 254nm |
| Recirculation pump | ✓ |
| Ultrapure polishing cartridge | ✓ |

| Treated Water Specification | High Purity Dispense | Purified Water Storage Tank |
|-----------------------------|-----------------------------|-----------------------------|
| Inorganics | up to 18.2MΩ.cm | > 1MΩ.cm |
| pH* | Neutral | |
| Bacteria | < 0.1cfu/ml | - |
| Organics - TOC (ppb) | < 5 | < 50 |
| Particles | < 0.2µm | - |
| Endotoxins | < 0.001EU/ml | - |
| DNases | < 4pg/µl | - |
| RNases | < 0.01ng/ml | - |
| 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



purite hp

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



The Purite 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, °C, flowrate displayed
- Selectable manual and volumetric dispense feature
- Internal microfiltration
- UV LED disinfection incorporated within the dispense head
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste
- WiFi enabled for remote monitoring and operation.



purite hp

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

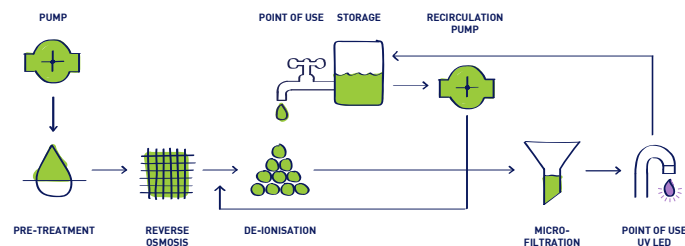
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- Space-saving, dependable, bench top or wall mounted systems
- RO Removes > 98% minerals and > 99% bacteria
- Choice of production rates up to 48 l/hr
- Optional external storage tanks up to 100 litres
- RO Boost pump fitted as standard
- Installation 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 hp process flow



contact

Water Purification Systems

Email: mail.waterpurificationsystems.uk@suez.com

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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 | Microfiltration |
| Point of use | 0.2µm (optional) |
| 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



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

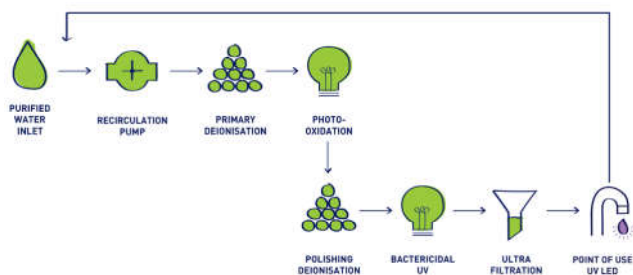
compact water purification system, developed for pure water laboratory tasks

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
- Point of use 0.2µm filtration (Optional).

purite 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 (Optional) |
| 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

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