PURITE VEOLIA LABQUIP

WATER PURIFICATION

SOLUTION

www.labquip.com.my

PURITE VEOLIA LABQUIP

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What is Water Purification System

A water purification system is a process that removes impurities and contaminants from water to make it safe for human consumption or other uses. The system uses various methods such as filtration, sedimentation, coagulation, disinfection, and reverse osmosis to remove impurities from water.

Water purification systems are essential in areas where the water supply is contaminated or polluted with harmful chemicals, microorganisms, or other contaminants. These systems can be installed in homes, offices, industries, and other settings to ensure that the water is safe and clean.

With Purite Water Purification System is specially used and designed for Laboratory use, Healtcare & Industrial.

LABORATORY

HEALTHCARE

INDUSTRIAL

LABORATORY

A laboratory water purification system is important because it produces high-quality water that is free of contaminants and impurities, which is essential for many laboratory applications.

Many laboratory applications require water with a high level of purity to ensure accurate and reliable results. For example, in analytical chemistry, impurities in water can interfere with measurements, leading to inaccurate results.

A laboratory water purification system can be more cost-effective than purchasing bottled water or using other methods to purify water. It can also reduce the need for frequent maintenance or replacement of laboratory equipment due to damage from impurities.

RELIABLE **Consistence** **ACCURATE** **Safety** **VERSATILE**

Guarantee From Us

"Every Purite system is designed to meet the needs of your precise application, using a range of technologies, including reverse osmosis, electro-deionisation and ultraviolet, to provide the highest levels of water quality, consistency and reliability, with low operating and maintenance costs."

Purite Labwater

Type II / Deionised (DI) water

The Purite Labwater is a simple, cost-effective option for producing low volumes of purified water between 1 and 10µS/cm on-demand.

These systems use a range of technologies, such as reverse osmosis, deionization, activated carbon filtration, ultraviolet sterilization, and polishing filters, to remove impurities and contaminants from the water.

In a laboratory setting, it is important to have high-quality water free from impurities that could affect experimental results or damage sensitive equipment.

Model Specification	Labwater 1	Labwater 2
Width (mm)	80	80
Depth (mm)	100	100
Height (mm)	580	760
Maximum Shipping Weight (kg)	2.8	4.4
Maximum Working Weight (kg)	2.5	3.5
Feed Water	Potable	Potable
Maximum TDS (ppm)	1000	1000
Feedwater temperature	1-35°C	1-35°C

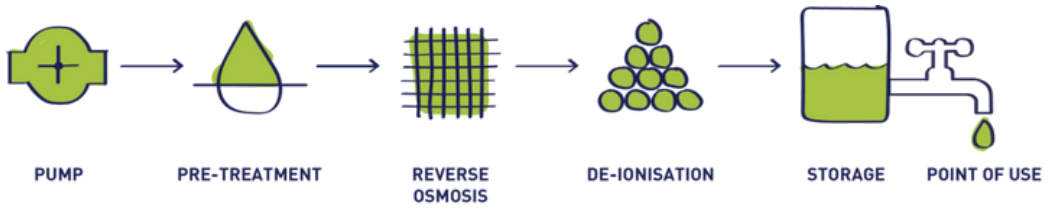
Purite Analyst

Type II / Deionised (DI) water

The Purite Analyst is a compact water purification unit, using integrated carbon pre-treatment, reverse osmosis and deionisation technologies to produce a flow of water purified to at least 1MΩ.cm.

It is easy to use and ideal for applications such as glassware rinsing, buffers and stains, reagent make-up, and media preparation.

- Guaranteed > 1MΩ.cm water quality
- Optional remote colour touchscreen display
- ECO option with up to 50% water recovery
- Wi-Fi option



Treated water specification

Inorganics ----------> 1MΩ.cm
pH1 ----------Neutral
Bacteria ----------> 99% rejection2
Organics – TOC (ppb) ----------< 50
Dispense modes ---------- Bib tap on storage tank
*pH of stored water may decrease due to absorption of free carbon dioxide
*When measured directly across the membrane

System Specification	Analyst
Pure water storage	20 litre storage tank as standard (External 50 & 100 litre tanks available)
Display panel	LCD – Colour touch screen
Pre-treatment cartridge	Yes
Reverse osmosis	Yes
Deionisation cartridge	Yes

Purite Analyst

Type II / Deionised (DI) water

Model Specification	Purite Analyst 160	Purite Analyst 320
Width (mm)	440	440
Depth (mm)	560	560
Height (mm)	750	750
Maximum Shipping Weight (kg)	28	33
Maximum Working Weight (kg)	43	52
Power	Single Phase, 110-230V, +/- 10%, 50/60 Hz	Single Phase, 110-230V, +/- 10%, 50/60 Hz
Feed Water	Potable	Potable
Maximum TDS (ppm)	1000	1000
Minimum inlet pressure – psi (bar)	30 (2.1)	30 (2.1)
Maximum inlet pressure – psi (bar)	90 (6.2)	90 (6.2)
Feed water temperature	1-35°C	1-35°C
Product outputs @ 10°C (l/hr)*	14.4	30
Product outputs @ 25°C (l/hr)*	24	48

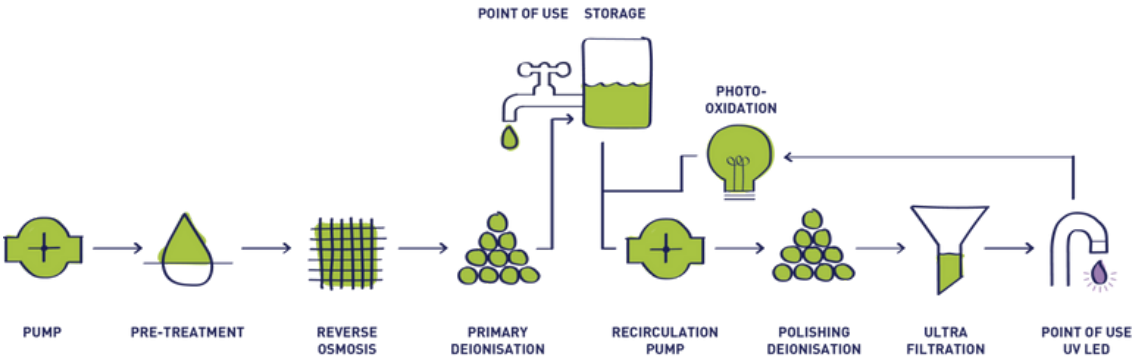
*Outputs based on a feed water pressure of 4 bar

Purite Fusion

Type I / Ultrapure water (UPW) water

The Purite Fusion is a self-contained water purification unit that delivers a flow of purified water to a consistent quality of 18MΩ.cm. It is ideal for the most demanding laboratory processes including life sciences, such as histology, cell and tissue culture, DNA sequencing and IVF.

Purite Fusion has an intelligent energy-save mode and is available with a range of options. These include: dual water quality Type I and II, remote dispense pod and a choice of external storage tanks, plus a water and energy-saving ECO option.



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	Yes
Reverse osmosis	Yes
Deionisation cartridge	Yes
Internal filtration	Ultrafiltration
Point of use	UV / LED
UV lamp	185nm / 254nm
Recirculation pump	Yes
Ultrapure polishing cartridge	Yes

Purite Fusion

Type I / Ultrapure water (UPW) water

Treated water specification	High Purity Dispense	Purified Water Storage Tank
Inorganics	up to 18.2MΩ.cm	> 1MΩ.cm
pH1	Neutral	
Bacteria	< 0.1cfu/ml	-
Organics – TOC (ppb)	< 5	< 50
Particles	0.005µm	-
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 Fusion

Type I / Ultrapure water (UPW) water

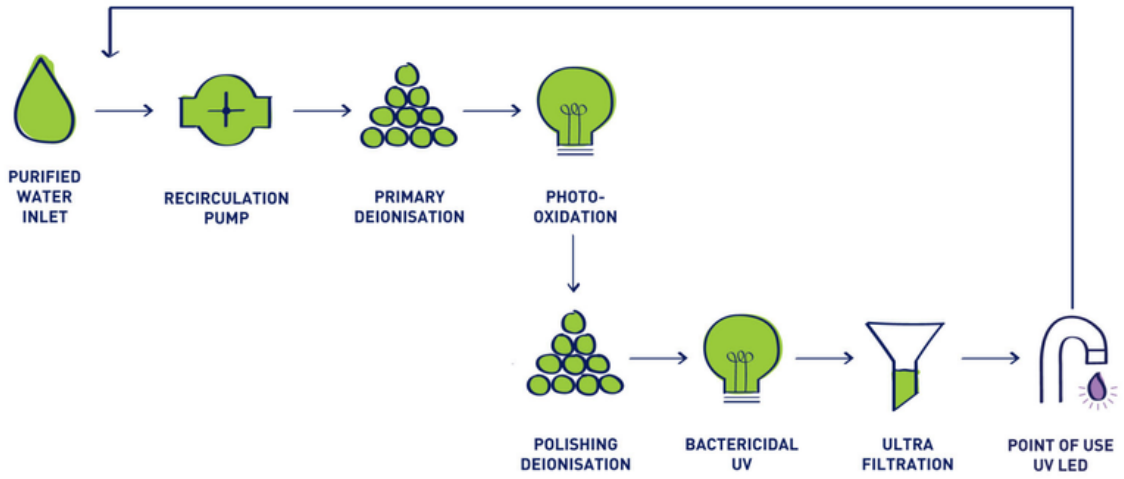
Model Specification	Purite Fusion 160	Purite Fusion 320
Width (mm)	440	440
Depth (mm)	560	560
Height (mm)	750	750
Maximum Shipping Weight (kg)	36	41
Maximum Working Weight (kg)	51	59
Power	Single Phase, 110-230V, +/- 10%, 50/60 Hz	
Feed Water	Potable	
Maximum TDS (ppm)	1000	
Minimum inlet pressure – 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
Product outputs @ 25°C (l/hr)*	24	48

Purite Neptune Ultimate

Type I / Ultrapure water (UPW) water

The Purite Neptune Ultimate uses deionisation, photo-oxidation and bacterial-UV to produce ultrapure 18.2MΩ.cm purified water.

The system automatically recirculates purified water, to maintain quality and features full data capture capabilities, for traceability, plus intelligent monitoring to put the unit into standby when not in use.



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

Purite Neptune Ultimate

Type I / Ultrapure water (UPW) water

Treated water specification	
Inorganics	up to 18.2MΩ.cm
pH1	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

Purite Neptune Ultimate

Type I / Ultrapure water (UPW) water

Model Specification	Purite Neptune Ultimate
Width (mm)	310
Depth (mm)	560
Height (mm)	750
Maximum Shipping Weight (kg)	21
Maximum Working Weight (kg)	29
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

*Outputs based on a feed water pressure of 2 bar

Purite Mini Pure Water Boost Pump

The Purite Mini Pure Water Boost Pump is designed for use with a wide range of laboratory equipment, providing a consistent flow of pressurised water. Typical applications range from glass washers and environmental chambers, to humidity cabinets and autoclaves.

Installation is simple, and uses 8mm push fit connections for the inlet and outlet (supplied) and connects to the mains electric supply with a standard 3 pin plug.

Features

- Compact and free standing
- Produces pressurised feed up to 3 bar
- Flow rate up to 60 l/hr
- Provides on demand operation
- Simple to install

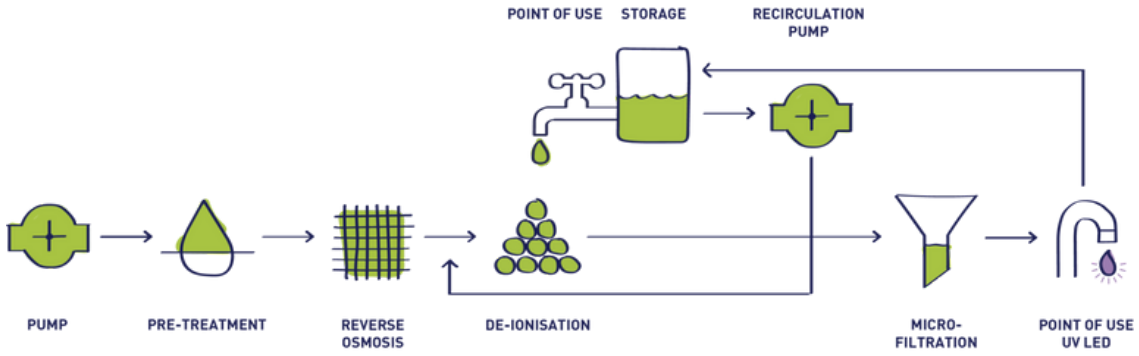
Model Specification	Purite Mini Pure Water Boost Pump
Output pressure	3 bar maximum
Outlet flow	60 l/hr maximum
On / Off cycles	6 per minute maximum
Feedwater	< 150 microns particulates
Operating temperature	5°C to 46°C
Power required	Single Phase, 230V, +/- 10%, 50 Hz
Shipping weight	3kg
Dimensions (w x h)	170mm x 275mm

Purite HP

Type II / Deionised (DI) water

Designed for use in laboratory applications, such as HPLC, ion chromatography, atomic absorption, hydrogen generation and clinical analyser feed, the Purite HP produces a consistent flow of purified water to a quality better than 10MΩ.cm.

- Guaranteed > 10MΩ.cm water quality
- Optional remote dispense pod
- Energy saving intelligent stand-by mode
- Dispense rate of up to 2 litres/min
- ECO version with up to 50% water recovery



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	Yes
Reverse osmosis	Yes
Deionisation cartridge	Yes
Internal filtration	Microfiltration
Point of use	UV / LED
UV lamp	Yes
Recirculation pump	Yes
Ultrapure polishing cartridge	-

*External tank version only

Purite HP

Type II / Deionised (DI) water

Treated water specification	High Purity Dispense	Purified Water Storage Tank
Inorganics	> 10MΩ.cm	
pH2	Neutral	
Bacteria	< 1cfu/ml	
Organics – TOC (ppb)	< 20	
Particles	0.005µm	
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 HP

Type II / Deionised (DI) water

Model Specification	Purite HP 160	Purite HP 320
Width (mm)	440	440
Depth (mm)	560	560
Height (mm)	750	750
Maximum Shipping Weight (kg)	36	41
Maximum Working Weight (kg)	51	59
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
Product outputs @ 25°C (l/hr)*	24	48

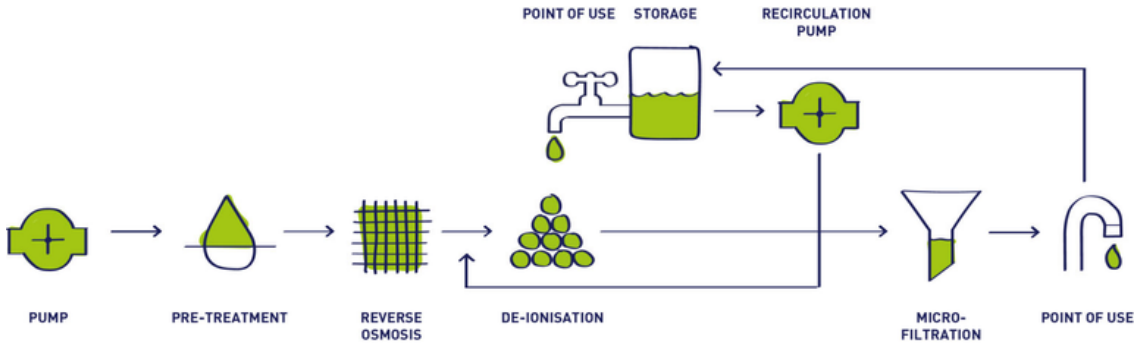
*Outputs based on a feed water pressure of 4 bar

Purite HPA 30

Type II / Deionised (DI) water

The Purite HPA 30 provides a guaranteed and consistent flow of purified water to a quality better than 10MΩ-cm. The unit is compact, uses proven technology and is low maintenance, making it ideal for supplying all leading brands of clinical analysers.

- Make-up production rate of 30l/hour
- Optional remote display pod
- Energy saving intelligent stand-by mode
- Colour touch screen display with process graphics
- Wi-Fi enabled for remote monitoring and operation



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	Yes
Reverse osmosis	Yes
Deionisation cartridge	Yes
Internal filtration	Microfiltration
Point of use	UV / LED
UV lamp	Yes
Recirculation pump	Yes

Purite HPA 30

Type II / Deionised (DI) water

Treated water specification	Purified Water Storage Tank
Inorganics	> 10MΩ.cm
pH*	Neutral
Bacteria	< 1cfu/ml
Organics – TOC (ppb)	< 20
Particles	0.005µm
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

Purite HPA 30 | 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

Type II / Deionised (DI) water

Model Specification	Purite HPA 30
Width (mm)	440
Depth (mm)	560
Height (mm)	750
Maximum Shipping Weight (kg)	41
Maximum Working Weight (kg)	59
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)
Make up outputs @ 10°C (l/hr)*	30
Make up outputs @ 25°C (l/hr)*	48

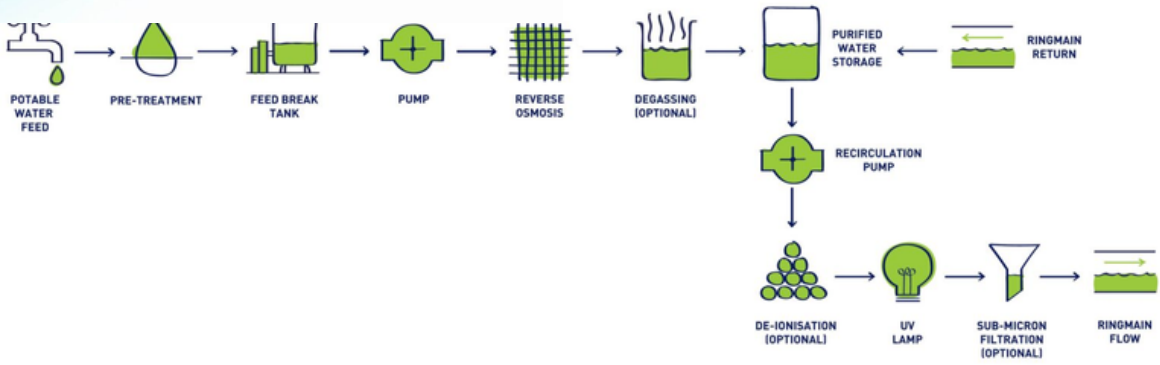
*Outputs based on a feed water pressure of 4 bar

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

The Purite Integra HP is a compact high volume laboratory water purification and distribution unit, capable of providing a wide range of options. The unit provides a minimum flow rate of 400l/hour at water qualities between 30µs/cm and 18.2MΩ-cm.

- Range of make-up rates 60/120/190 l/hr
- Integral 50 litre purified water storage tank
- Full colour LCD touch screen display
- Low energy recirculation pump
- Optional manual by-pass to provide continuity of service



System specification	HP IT	HP GP
Pure water storage	50 litre	300 litre
Display panel	LCD – Colour touch screen	LCD – Colour touch screen
Pre-treatment cartridge	5µm pre-filter	5µm pre-filter
Reverse osmosis	Low energy membranes	Low energy membranes
Deionisation	Various cylinder options	Various cylinder options
Micro filtration	Optional 0.2µm	Optional 0.2µm
UV lamp	254nm	254nm
Purified water make-up flowrate @ 10°C	120 or 190 l/hr	120 or 190 l/hr
Purified water distribution	Up to 270 l/hr and a max of 3 bar	Up to 270 l/hr and a max of 3 bar
Carbon dioxide degassing	Optional	Optional

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Treated water specification	HP IT	HP GP
Conductivity	< 30µs/cm to 18.2MΩ-cm*	< 30µs/cm to 18.2MΩ-cm*
Bacteria	< 1cfu/ml**	< 1cfu/ml**
Organics – TOC (ppb)	< 30ppb	< 30ppb
Particles	< 0.2µm**	< 0.2µm**

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

Purite Integra HP | Features

- Produces 120 or 190 l/hr (requires softened feed)
- Option of Integral 50 litre or external 300 litre purified water storage tank
- Optional carbon dioxide membrane degasser to enhance deioniser capacity
- Range of polishing deioniser options to meet all purity requirements and standards
- Full colour LCD touch screen display for ease of operation
- Low energy recirculation pump to conserve energy during periods of low demand
- Cat5 compliant break tank to comply with water regulations
- Optional manual by-pass to provide continuity of service in an emergency..

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Model Specification	HP IT	HP GP
Width (mm)	890	1110
Depth (mm)	500	604
Height (mm)	840	1842
Maximum Shipping Weight (kg)	95	134
Maximum Working Weight (kg)	140	467
Power	Single Phase, 230V, +/- 10%, 50 Hz**	Single Phase, 230V, +/- 10%, 50 Hz**
Feed Water	Potable	Softened
Maximum TDS (ppm)	1000	1000
Minimum inlet pressure – psi (bar)	30 (2.1)	30 (2.1)
Maximum inlet pressure – psi (bar)	90 (6.2)	90 (6.2)
Feedwater temperature	1-30°C	1-30°C
Flowrate	400l/hr (min)	400l/hr (min)
Free chlorine	Must be dechlorinated	Must be dechlorinated

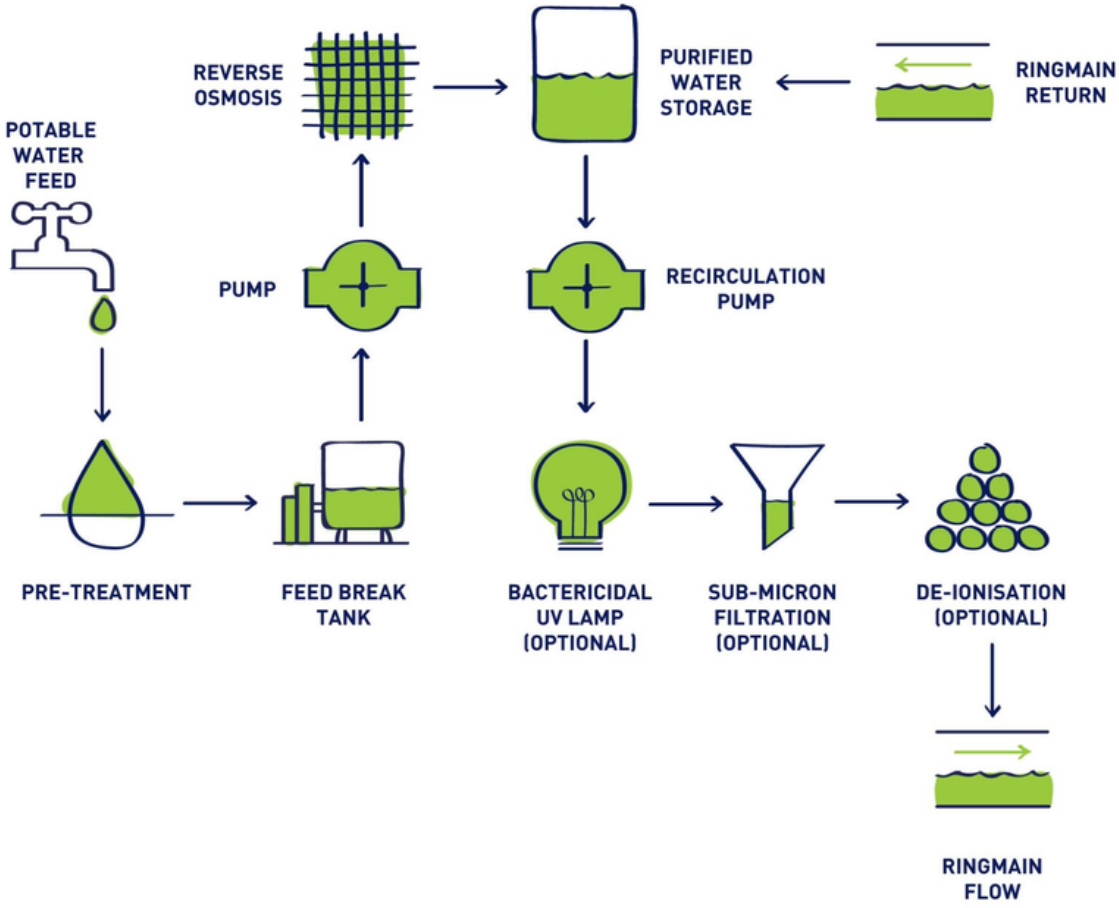
**110v 60Hz available as an option

Purite Integra L

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

The Purite Integra L water purification unit uses proven reverse osmosis technology, in conjunction with activated carbon and particulate filtration, plus the option of UV disinfection, sub-micron filtration and deionisation, to produce water quality starting from a minimum of 30µs/cm.

- Capable of delivering up to 600 l/hr
- ASTM Type I, II or III water and BS EN ISO grade 1,2 or 3 water
- Integrated data logging
- Colour LCD screen display
- Versions for soft and hard water



Purified water is stored in an integral 250 litre stainless steel tank, while features such as integrated colour LCD display and control, and low-energy membranes help to minimise running costs.

Purite Integra L

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

System specification	HP IT
Pure water storage	250 litre
Display panel	LCD – Colour touch screen
Pre-treatment cartridge	5µm pre-filter
Reverse osmosis	Low energy membranes
Deionisation	Optional Di packs*
Micro filtration	Optional 0.2µm
UV lamp	Optional 254nm**
Purified water make-up flowrate @ 10°C	200 – 600 l/hr***
Purified water distribution	Up to 3000 l/hr
Carbon dioxide degassing	-
TOC reduction	Optional*

* 10, 15, 18MΩ.cm polishing deionisation packs available including activated carbon for TOC reduction

** Included in BioPack

*** Softened feed water required for 600 l/hr (Integra LS). Integra LH can operate on hard water up to 400ppm as $CaCO_3$

Treated water specification	Purite Integra L
Conductivity	< 30µs/cm*
Bacteria	> 99% rejection**
Organics – TOC (ppb)	< 50***
Particles	< 0.2µm**
Endotoxins	0.25EU/ml**

Purite Integra L

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Model Specification	Purite Integra L
Width (mm)	1000
Depth (mm)	750
Height (mm)	1800
Maximum Shipping Weight (kg)	310
Maximum Working Weight (kg)	550
Power	Single Phase, 110-230V, +/- 10%, 50/60 Hz
Feed Water	Potable
Maximum TDS (ppm)	1000
Minimum inlet pressure – psi (bar)	15 (1)
Maximum inlet pressure – psi (bar)	90 (6.2)
Feedwater temperature	1-30°C
Flowrate	-
Free chlorine	Must be dechlorinated

*Softened feed water required for 600 l/hr (Integra LS). Integra LH can operate on hard water up to 400ppm as CaCO3

Purite Integra 200E

Type II / Deionised (DI) water

Supplied fully tested and ready for fast installation, the Purite Integra 200E water purification system provides high volume capability to help laboratories scale-up to meet increasing demand.

The system feature a range of advanced technologies, such as variable speed pumps and low-energy reverse osmosis membranes, to minimise operating costs. A range of options are available, including 350, 500 and 1000 litres water storage tanks.

Purite Integra 200E | Features

- Self-contained, fully bunded, "plug and play" package designed to reduce installation and service times
- Efficiently delivers highly purified water; make-up flow rate of 200 l/hr
- Utilises reverse osmosis, electro-deionisation, ultra-violet irradiation and bacterial microfiltration
- Standby mode and variable speed pumps to minimise power consumption and running costs during periods of low demand
- LCD touch screen with password controlled menu access
- Automatic alarm notification system monitoring leakage and quality of water
- Compact, fully bunded, stainless steel skid package with anti-vibration mounts
- Category 5 backflow prevention to protect mains supply
- Automated chemical cleaning program
- Optional water storage available, 350, 500 and 1000 litres.

Purite Integra 200E

Type II / Deionised (DI) water

System specification	200E – 350	200E – 500	200E – 1000
Pure water storage	Up to 350 litres	Up to 500 litres	Up to 1000 litres
Display panel	LCD – Colour touch screen		
Pre-treatment cartridge	5µm pre-filter		
Reverse osmosis	Low energy membranes		
Deionisation	EDI module		
Micro filtration	0.2µm		
UV lamp	Bactericidal 254nm		
Purified water make-up flowrate @ 10°C	200 l/hr		
Purified water distribution	Up to 2m3/hr and a maximum of 90 psi (6.2 bar)		
Carbon dioxide degassing	Hollow fibre membrane as standard		
TOC reduction	Yes		

Treated water specification	
Conductivity	Up to 15 MΩ-cm
Bacteria	< 1cfu/ml
Organics – TOC (ppb)	< 500ppb as C
Particles	< 0.2µm
Endotoxins	-

Purite Integra 200E

Type II / Deionised (DI) water

Model Specification	200E – 350	200E – 500	200E – 1000
Width (mm)	1500	1850	2600
Depth (mm)	2020	2020	2020
Height (mm)	1020	1020	1020
Maximum Shipping Weight (kg)	340	350	370
Maximum Working Weight (kg)	767	917	1417
Power	Single Phase, 110-230V, +/- 10%, 50 Hz		
Feed Water	Softened		
Maximum TDS (ppm)	< 1000ppm		
Minimum inlet pressure – psi (bar)	30 (2.1)		
Maximum inlet pressure – psi (bar)	90 (6.2)		
Feedwater temperature	10-25oC		
Flowrate	400 l/hr		
Free chlorine	Must be dechlorinated		

HEALTHCARE

A healthcare purification water system is a specialized water purification system used in healthcare facilities such as hospitals, clinics, and laboratories. It is designed to provide a reliable and consistent source of high-quality water that meets the stringent standards required for medical and healthcare applications.

Healthcare purification water systems are designed to comply with the strict regulations and guidelines set by regulatory bodies such as the US Pharmacopeia, FDA, and EPA. These regulations require that the water used in medical applications is free of harmful contaminants and meets specific purity and quality standards.

RELIABLE **Consistence** **ACCURATE** **Safety** **VERSATILE**

Healthcare Water Purification

Water purification solutions for renal dialysis, endoscopy, sterile services and clinical analyser supply

Centralised renal water purification

Our centralised water purification systems give you a proven and highly reliable method of producing high quality purified water for use in ring-main haemodialysis and hemodiafiltration units.

Our energy-saving, high efficiency water purification systems are approved to the latest medical standards, are low-cost to run, producing low through-life costs, and are backed by UK-based manufacturing, maintenance and customer support services.

Contact our team to find out more

Purite Integra E

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

The Purite Integra E range is designed to take potable feedwater direct from the mains, purify it using Reverse Osmosis technology, store it in an integral storage tank and then circulate it via a pressurised ringmain to feed endoscope washing disinfectors.

For hospital sterile services and endoscopy units

Purite Integra E | Features

- Integral raw water break tank with Type AB air gap – Eliminates the possibility of water backflow and complies with water bylaws.
- Self contained unit design – All components are integrated into a neat housing, designed to fit through standard sized doors and on wheels for enhanced portability.
- Minimal installation and commissioning – All components are factory tested ensuring the unit simply requires connection to relevant on site services.
- Semi-automatic chemical clean – With automatic chemical draw, recirculation and rinse, cleaning is straight forward and trouble free.
- Bio Sample Point – Incorporation of a hygienic, fully sanitisable, stainless steel, sample valve reduces the risk of contamination during sampling.
- Alarm conditions – Critical operating parameters are automatically monitored, including the quality of the purified water and level in the pure water tank.
- User friendly display – Backlit display clearly shows the unit operation in graphic and text formats.
- Standby mode – During periods of low demand the system will compensate, reducing power consumption and running costs.
- Integrated data logging – Up to 12 months data can be captured, enabling a permanent printed record of all parameter and status changes, in line with Good Manufacturing Practice (GMP).

Purite Integra E

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Treated water specification	Integra ES	Integra EH
Output @ 10°C (l/hr)	600	225
Feedwater hardness (ppm CaCO3)	< 4	400*
Feedwater temperature (°C)	1-30	1-30
Feedwater pressure (bar)	1-6	1-6
Pure water recovery (max %)	70	25
Feedwater consumption (max l/hr)	900	900
Pure water tank volume (l)	250	250
Drain flowrate	300	675

*In conjunction with SUEZ Water Purification Systems UK recommended sanitisation program
**If the temperature falls below 10℃ output will reduce by up to 3% per ℃

Purite Integra E

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Model Specification	Integra ES	Integra EH
Width (mm)	1000	1000
Depth (mm)	750	750
Height (mm)	1800	1800
Maximum Shipping Weight (kg)	310	310
Maximum Working Weight (kg)	550	550
Power	240V/50Hz	240V/50Hz
Minimum inlet pressure – psi (bar)	14.5 (1)	14.5 (1)
Maximum inlet pressure – psi (bar)	87 (6)	87 (6)

* Uncrated weight

Purite Integra E+

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Purite Integra E+ is equipped with integral data logging technology, which facilitates capture of all key operating parameters, including alarm states, water quality and system performance, thus providing a permanent record of operation – essential for validation history.

For hospital sterile services and endoscopy units

Purite Integra E+ | Features

- Completely self-contained in a robust housing that is easy to clean, maintain and transport
- Minimal installation and commissioning
- Integral, fully drainable 250 litre, stainless steel storage tank and bacterially protected to comply with HTM 01-06
- Integral raw water break tank with backflow protection
- BMS alarm output connection
- Panel mounted, backlit, LCD display
- Data logging of critical parameters
- Automatic hot water sanitisation cycle
- Semi-automatic membrane cleaning cycle
- Hygienic, sanitisable, stainless steel bio-sample valve on outlet
- Auto ringmain flush available for temperature control
- Leak detection system incorporated
- Can supply ring mains of potentially up to 200 metres (application and site dependent).

Purite Integra E+

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Treated water specification	Integra E+
Feedwater temperature (°C)	1-30
Feedwater hardness (ppm CaCO3)	< 4
Feedwater pressure (bar)	3-6
Feedwater consumption (max l/hr)	1000 max
Drain flowrate	300
Pure water recovery (max %)	70
Make up flow rate @ 10℃ (l/hr)	600
Purified water output	1,000 l/hr at 4 bar to 3,000 l/hr at 2.5 bar
Pure water storage	250
Conductivity	< 30µS/cm
Total viable count	< 10cfu/100ml
Endotoxin	< 0.25EU/ml
Silica	< 0.2 mg/l

Purite Integra E+

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Model Specification	Integra E+
Width (mm)	1000
Depth (mm)	750
Height (mm)	1800
Maximum Shipping Weight (kg)	372
Maximum Working Weight (kg)	622
Power	400V ±10%+N+E, 50Hz, 3ph
Minimum inlet pressure – psi (bar)	43.5 (3)
Maximum inlet pressure – psi (bar)	87 (6)

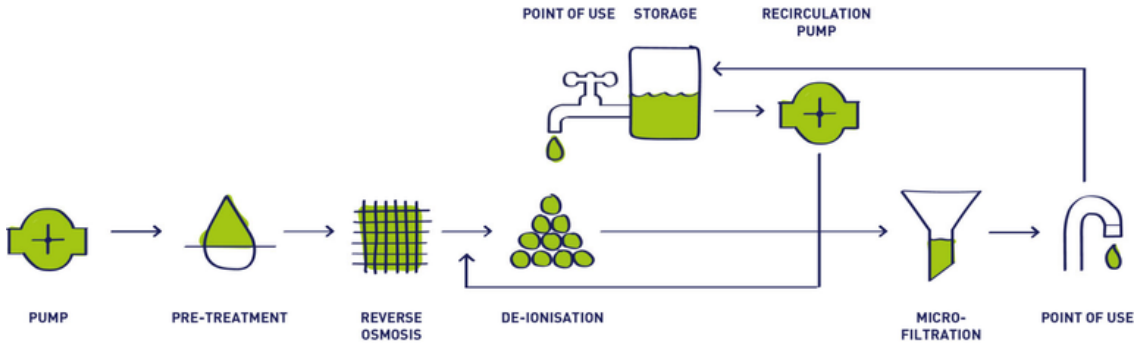
* Includes packing case

Purite HPA 30

Type II / Deionised (DI) water

The Purite HPA 30 provides a guaranteed and consistent flow of purified water to a quality better than 10MΩ-cm. The unit is compact, uses proven technology and is low maintenance, making it ideal for supplying all leading brands of clinical analysers.

- Make-up production rate of 30l/hour
- Optional remote display pod
- Energy saving intelligent stand-by mode
- Colour touch screen display with process graphics
- Wi-Fi enabled for remote monitoring and operation



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	Yes
Reverse osmosis	Yes
Deionisation cartridge	Yes
Internal filtration	Microfiltration
Point of use	UV / LED
UV lamp	Yes
Recirculation pump	Yes

Purite HPA 30

Type II / Deionised (DI) water

Treated water specification	Purified Water Storage Tank
Inorganics	> 10MΩ.cm
pH*	Neutral
Bacteria	< 1cfu/ml
Organics – TOC (ppb)	< 20
Particles	0.005µm
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

Purite HPA 30 | 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

Type II / Deionised (DI) water

Model Specification	Purite HPA 30
Width (mm)	440
Depth (mm)	560
Height (mm)	750
Maximum Shipping Weight (kg)	41
Maximum Working Weight (kg)	59
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)
Make up outputs @ 10°C (l/hr)*	30
Make up outputs @ 25°C (l/hr)*	48

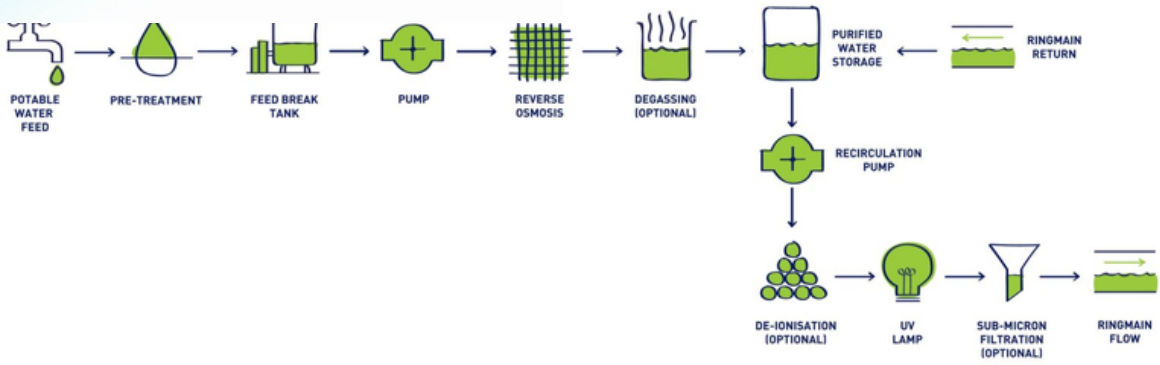
*Outputs based on a feed water pressure of 4 bar

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

The Purite Integra HP is a compact high volume laboratory water purification and distribution unit, capable of providing a wide range of options. The unit provides a minimum flow rate of 400l/hour at water qualities between 30µs/cm and 18.2MΩ-cm.

- Range of make-up rates 60/120/190 l/hr
- Integral 50 litre purified water storage tank
- Full colour LCD touch screen display
- Low energy recirculation pump
- Optional manual by-pass to provide continuity of service



System specification	HP IT	HP GP
Pure water storage	50 litre	300 litre
Display panel	LCD – Colour touch screen	LCD – Colour touch screen
Pre-treatment cartridge	5µm pre-filter	5µm pre-filter
Reverse osmosis	Low energy membranes	Low energy membranes
Deionisation	Various cylinder options	Various cylinder options
Micro filtration	Optional 0.2µm	Optional 0.2µm
UV lamp	254nm	254nm
Purified water make-up flowrate @ 10°C	120 or 190 l/hr	120 or 190 l/hr
Purified water distribution	Up to 270 l/hr and a max of 3 bar	Up to 270 l/hr and a max of 3 bar
Carbon dioxide degassing	Optional	Optional

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Treated water specification	HP IT	HP GP
Conductivity	< 30µs/cm to 18.2MΩ-cm*	< 30µs/cm to 18.2MΩ-cm*
Bacteria	< 1cfu/ml**	< 1cfu/ml**
Organics – TOC (ppb)	< 30ppb	< 30ppb
Particles	< 0.2µm**	< 0.2µm**

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

Purite Integra HP | Features

- Produces 120 or 190 l/hr (requires softened feed)
- Option of Integral 50 litre or external 300 litre purified water storage tank
- Optional carbon dioxide membrane degasser to enhance deioniser capacity
- Range of polishing deioniser options to meet all purity requirements and standards
- Full colour LCD touch screen display for ease of operation
- Low energy recirculation pump to conserve energy during periods of low demand
- Cat5 compliant break tank to comply with water regulations
- Optional manual by-pass to provide continuity of service in an emergency..

Purite Integra HP

Type I, II or III water / RO water / Deionised (DI) water / Ultrapure water (UPW) water

Model Specification	HP IT	HP GP
Width (mm)	890	1110
Depth (mm)	500	604
Height (mm)	840	1842
Maximum Shipping Weight (kg)	95	134
Maximum Working Weight (kg)	140	467
Power	Single Phase, 230V, +/- 10%, 50 Hz**	Single Phase, 230V, +/- 10%, 50 Hz**
Feed Water	Potable	Softened
Maximum TDS (ppm)	1000	1000
Minimum inlet pressure – psi (bar)	30 (2.1)	30 (2.1)
Maximum inlet pressure – psi (bar)	90 (6.2)	90 (6.2)
Feedwater temperature	1-30°C	1-30°C
Flowrate	400l/hr (min)	400l/hr (min)
Free chlorine	Must be dechlorinated	Must be dechlorinated

**110v 60Hz available as an option

INDUSTRIAL

Our Purite water purification technology plays a critical role in protecting boilers for customers throughout industry. We improve the efficiency, reliability and safety of your industrial boilers, while reducing the need for blowdown, cutting the use of chemicals and helping you minimise the carbon footprint of your business.

We design and custom-build water purification solutions that meet the demanding needs of industrial applications for water pre-treatment and process duties. We can also provide systems for wastewater treatment and recycling.

Industrial water purification for boiler feed

Sustainable water purification solutions for data centres

RELIABLE **Consistence** **ACCURATE** **Safety** **VERSATILE**

Do you need a reverse osmosis system for your industrial boiler?

Contact our team to find out more

MORE INFO OR DETAILS

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