

Specifications for all Select Units

Technical Data	Descale	Analyst	HP	Bio
BS EN ISO 3696	Grade III	Grade II	Grade I	Grade I+
ASTM D1193-99E1	Type IV Conductivity 5-35 µs/cm	Type III Resistivity 1-10 MΩ.cm	Type II Resistivity 14-18 MΩ.cm	Type I Resistivity 14-18 MΩ.cm
Residual Solids	>98% Rejection	<0.5ppm	<0.1ppm	<0.1ppm
Heavy Metals (ppb)	>98% Rejection	<0.1	<0.1	<0.1
Ca (ppb)	>98% Rejection	<100	<0.03	<0.03
Na (ppb)	>98% Rejection	<100	<0.02	0.02
K (ppm)	>98% Rejection	<100	<0.02	<0.02
Pb (ppb)	>98% Rejection	<100	<0.01	<0.01
Si (ppb)	>98% Rejection	<20	<0.5	<0.5
pH	5 - 7	6 - 8	6 - 8	6 - 8
Bacteria	>99% Rejection	>99% Rejection	<1cfu/ml	<1cfu/ml
TOC (ppb)	<100	<50	<30	<10
Organics	N/a	N/a	<0.001AU@254nm	<0.001AU@254nm
Particles	N/a	N/a	0.1µm Free	0.05µm Free
Endotoxins	N/a	N/a	N/a	0.25EU/ml

Errors and omissions excluded. Purite reserves the right to change specification without notice.

Dimensions	Descale		Analyst		HP		Bio	
	40, 80, 160	320, 640	40, 80, 160	320, 640	40, 80, 160	320, 640	40, 80, 160	320, 640
Height (mm)	630	860	630	860	630	860	630	860
Width (mm)	408	408	408	408	440	440	440	440
Depth (mm)	548	548	548	548	548	548	548	548
Shipping Weight (kg)	17	30	19	30	22	30	24	30
Working Weight (kg)	37	60	39	60	42	60	44	60

Height, width and depth are maximum measurements with integral tank

Other Purite Solutions

Polishing



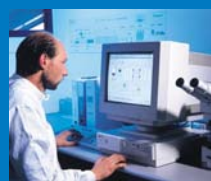
Purite offer models to further purify water resulting in Type I water with a resistivity of 18.2MΩ.cm and TOC of <1ppb.

Systems



For larger applications, Purite can design, install and project manage bespoke solutions for a variety of flows and water quality requirements.

Service



A range of preventative maintenance contracts covering all Purite and OEM equipment is available.

Exchange



This simple to manage solution produces pure water in easy to dispense volumes.

Simply Select...



The Select Range

Versatile water purification units to fulfil laboratory applications.



INVESTOR IN PEOPLE

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SI0009-01

Simply Select the Best... the Select Concept.

The Select range provides a choice of water qualities and daily outputs to fulfil all types of laboratory applications

Simply Reliable Water Quality

- High quality reverse osmosis and pre-treatment modules, plus deionisation and filtration options, ensure a reliable and consistent quality of purified water
- Water quality is monitored and displayed constantly

Simply Well Designed

- Integral tanks give a compact footprint, saving on valuable space
- Minimal external connections make installation easy
- Wall mounting available

Simple To Grow

- Modular design means units can easily be upgraded
- Various external tanks available, including tanks incorporating UV and 0.2µm air vent filter
- Optional boost pumps accommodate areas of low water pressure (<2 bar)*

Simply Select Your Solution

- 4 different water quality options are available
- Each water quality option comes in 5 sizes with the following outputs:

Unit Size	40	80	160	320	640
Output at 25°C (litres/hr)	6	12	24	48	80
Output at 10°C (litres/hr)	3.6	7.2	14.4	30	47

(results generated at 60psi, 400ppm TDS)



Model featured: Select Analyst with external tank

Simple To Monitor

- Display Panel – system information is easily accessible.
- Alarms – system status is constantly monitored and alarms notify the user of changes eg – if the consumables need replacing

Simple To Use

- Multiple Dispense Options- easy access to pure water
- Water on Demand - taking water from any of the water outlets prompts the production of pure water, so it's always there when required.
- Easy change consumables



Model featured: Select HP

Simple To Install

- Each unit has the following installation requirements, a full installation kit is included

Power Requirements	100 - 230V/50 - 60Hz
Feedwater Requirements	Potable
Maximum TDS (ppm)	1000
Minimum Inlet Pressure (bar)*	2
Maximum Inlet Pressure (bar)	6
Feedwater Temperature	1 - 40°C



Simply Select Your Solution.

4 different water quality options for a variety of laboratory applications

	Descale	Analyst	HP	Bio
	The cost effective solution to basic pure water needs	Ideal for many everyday pure water laboratory applications	Provides a consistent supply of high quality pure water	For applications requiring high quality water with enhanced bacterial specification
TYPICAL APPLICATIONS	Humidification, hydroponics, providing a pure water feed to centralised systems and polishers	Laboratory glassware rinsing, buffers and stains, reagent makeup, media preparation	HPLC, ion chromatography, atomic absorption, clinical analyser feed	Tissue culture, IVF, life science and molecular biology applications
WATER QUALITY BS EN ISO 3696	GRADE III Conductivity 5-35µs/cm	GRADE II Resistivity 1-10MΩ.cm	GRADE I Resistivity 14-18MΩ.cm	GRADE I+ Resistivity 14-18MΩ.cm
TANK	<input type="checkbox"/> Internal <input type="checkbox"/> External	<input type="checkbox"/> Internal <input type="checkbox"/> External	<input type="checkbox"/> Internal <input type="checkbox"/> External	<input type="checkbox"/> Internal <input type="checkbox"/> External
DISPLAY PANEL	<input checked="" type="checkbox"/> Alphanumeric	<input checked="" type="checkbox"/> Alphanumeric	<input checked="" type="checkbox"/> Graphic Offers a wide variety of details of the system status in an easily accessible mimic format	<input checked="" type="checkbox"/> Graphic
PRE-TREATMENT MODULE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
REVERSE OSMOSIS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Automatic RO membrane flushing, maintains consistent water quality
DEIONISATION	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FILTRATION	N/A	N/A	<input checked="" type="checkbox"/> 0.1µm internal 0.2µm point of use	<input checked="" type="checkbox"/> 0.05µm internal 0.2µm point of use
UV	N/A	N/A	N/A	<input checked="" type="checkbox"/> 254nm bactericidal wavelength
RECIRCULATION PUMP	N/A	N/A	<input checked="" type="checkbox"/> Two modes Automatic - water circulated regularly to maintain quality Selective - user select intermittent recirculation to maximise consumable life	<input checked="" type="checkbox"/> Two modes
MULTIPLE TAKE-OFF OPTIONS	<input checked="" type="checkbox"/> Single Tank bib-tap	<input checked="" type="checkbox"/> Single Tank bib-tap	<input checked="" type="checkbox"/> Multiple Water of different quality can be accessed from the unit, depending on the point in the process from which the water is taken	<input checked="" type="checkbox"/> Multiple
WATER PRODUCTION	<input checked="" type="checkbox"/> On demand Tank is refilled as soon as water is drawn from outlet	<input checked="" type="checkbox"/> On demand	<input checked="" type="checkbox"/> On demand Tank is refilled as soon as water is drawn from outlet	<input checked="" type="checkbox"/> On demand <input checked="" type="checkbox"/> Volumetric Tank is refilled after a preset quantity of water is drawn
	<input checked="" type="checkbox"/> Included with the unit N/A Not available in that unit <input type="checkbox"/> Optional to unit at additional cost			