# select analyst

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


The Select Analyst is a compact unit ideal for laboratory use, delivering a steady supply of > 1MΩ.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 > 1MΩ.cm water quality
- Remote display (optional)
- ECO option now available offering 50% recovery which equates to a significant reduction in water usage and waste.

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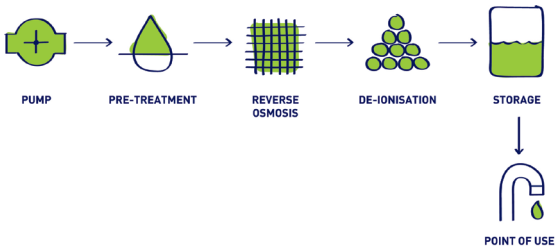
## common select features

Our Select 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 Select 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 year's 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.

### Select Analyst Process Flow




## technical specifications

| Unit Specification | 40/80/160 | 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 | 1-35ºC | |
| **Product outputs*** | | |
| @ 10ºC (l/hr) | 3.6 / 7.2 / 14.4 | 30 |
| @ 25ºC (l/hr) | 6 / 12 / 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 | Latched - hold - volumetric |
| Dispense flow rate | - |

[1] pH of stored water may decrease due to absorption of free carbon dioxide
[2] When measured directly across the membrane