

# integra hp

compact, centralised water purification  
and distribution unit



The Integra HP is a compact water purification and distribution unit. Fully integrated, it incorporates reverse osmosis and ultra violet radiation technology, with storage and a distribution pump. It is also available with optional carbon dioxide, membrane degassing and bacterial filtration technology.

#### Additional features

- Range of make-up rates 60/120/190 l/hr
- Integral 50 litre purified water storage tank eliminates the need for external tanks
- 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.



# integra hp

## centralised water purification and distribution

### integra hp features

Our Integra range is ideal for laboratories requiring greater daily volumes of purified water with several points of use. Our Integra HP and Integra L systems deliver laboratory grade deionised water from 60-600 litres per hour, while our Integra 200E system is a low energy, self-contained unit utilising the latest low energy reverse osmosis membranes and electro-deionisation technology.

### technical specifications

Unit Specification	HP60	HP120	HP190
Width (mm)		890	
Depth (mm)		500	
Height (mm)		840	
Max shipping weight (kg)	54	64	72
Max working weight (kg)	97	107	117

Installation requirements	HP60	HP120	HP190
Power	Single Phase, 230V, +/- 10%, 50 Hz		
Feedwater	Potable	Potable	Softened
Maximum TDS (ppm)	1000		
Minimum inlet pressure - psi (bar)	30 (2.1)		
Maximum inlet pressure - psi (bar)	90 (6.2)		
Feedwater temperature	1-35°C		
Flowrate	400l/hr (min)		
Free chlorine	Must be dechlorinated		

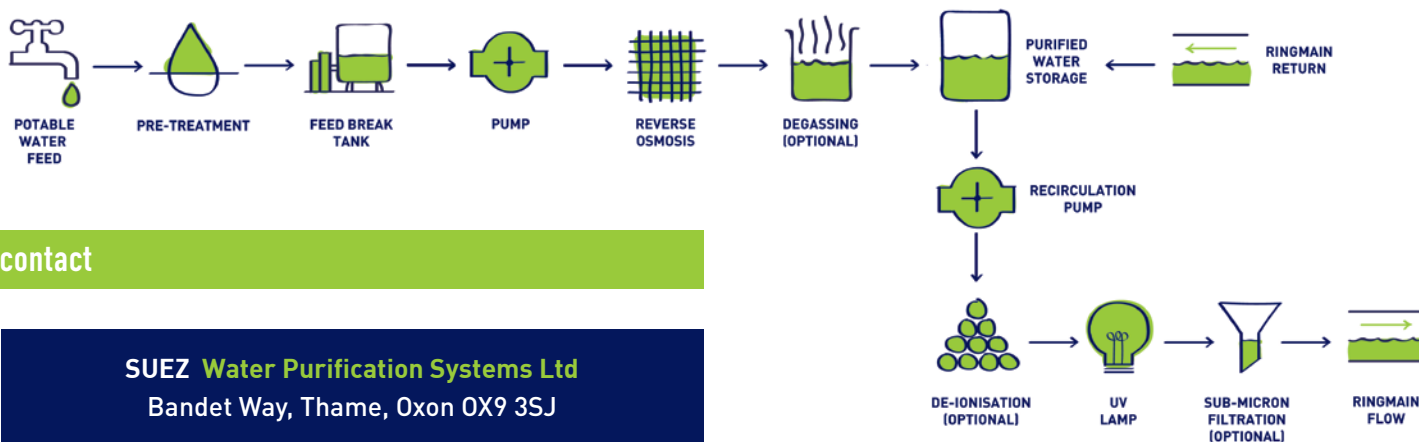
System Specification	
Pure water storage	50 litre
Display panel	LCD – Colour touch screen
Pre-treatment	5µm pre-filter
Reverse osmosis	Low energy membranes
Deionisation	Optional cylinders
Micro filtration	Optional 0.2µm
UV lamp	254nm
Purified water make-up flowrate @ 10°C	60/120/190 l/hr
Purified water distribution	Up to 270 l/hr and a max of 3 bar
Carbon dioxide degassing	Optional

Treated Water Specification	
Conductivity	< 30µs/cm to 18.2MΩ-cm**
Bacteria	< 1cfu/ml*
Organics – TOC (ppb)	< 30ppb
Particles	< 0.2µm*
Endotoxins	-

\* With optional 0.2µm bacterial filter

\*\* With optional deionisation cylinder

### Integra HP Process Flow



### contact

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