

INTEGRA HP

Compact, mobile, centralised water purification and distribution unit

- High reliability, low maintenance
- Compact, versatile system
- Easy to set up, use and maintain
- Low running costs
- Energy saving features
- Manual by-pass for emergency cover
- Ring main length up to 50 metres
- Produces 60 to 190 l/hr



INTEGRA HP: centralised water purification and distribution

Process Description

The Integra HP is a compact, mobile, centralised water purification and distribution unit. Fully integrated, it incorporates reverse osmosis, ion-exchange, carbon dioxide membrane degassing (optional), ultra violet irradiation and bacterial filtration technologies (optional), to produce purified water that meets requirements for all laboratory grade water.

- Range of make-up rates 60/120/190 l/hr to suit a wide range of applications
- Integral 50 litre purified water storage tank eliminates the need for external tanks

Specification table:

Treated Water Quality Specification	
Resistivity	>10 MΩ-cm
pH	Neutral
Organics	<30 ppb
Particles*	<0.2µm
Bacteria*	<1cfu/ml
Performance	
Make-up flowrate based on 10°C feedwater	60/120/190 l/hr
Purified water distribution	Up to 360 l/hr and a max of 3 bar
Process Technologies	
Pre-treatment	Disposable carbon media pack
Reverse osmosis	Low energy membranes
Carbon dioxide Degassing (optional)	Hollow fibre membrane
Deionisation	Nuclear grade mixed bed
Water storage	50 litres
Recirculation pump	Variable speed
UV irradiation	Bactericidal 254nm
Microfiltration	(optional) 0.2µm
Display	Full colour LCD

* with optional 0.2µm bacterial filter



- Carbon dioxide membrane degasser to enhance deioniser capacity (optional)
- Range of polishing deionisers for higher volume users
- Full colour intuitive LCD touch screen for ease of operation
- Variable speed distribution pump to conserve energy during periods of low demand
- Cat5 compliant break tank to comply with water regulations
- Manual by-pass to provide continuity of service in an emergency

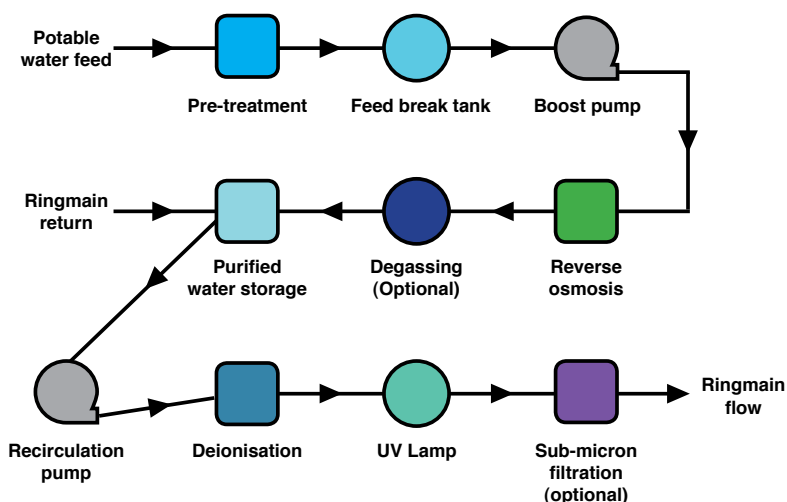
Weights & Dimensions:

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

* includes packaging

Feed water requirements

	HP60	HP120	HP190
Installation Requirements			
Power	230V 50Hz		
Feedwater	Hard Potable		Softened
Total dissolved solids	1000 ppm		
Inlet pressure (min-max)	2-6 bar (30-90 psi)		
Feedwater temperature	1-35 deg C		





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