

INTRODUCING... THE INTEGRA RANGE

Water purification units to provide (S)HTM 2030 quality water for use with endoscope washing machines

- Suitable for supplying purified water to single or multi chamber endoscope washing machines
- Fully compliant with (S)HTM 2030, NHS MES C32 and the latest draft prEN ISO 15883 standards
- Integrated data logging for performance traceability
- Self contained
- Delivered factory tested for ease of installation
- Graphic displays for access to system parameters



Integra E^H and Integra E^S

UNIT DESCRIPTION

The Integra E unit 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 machines.

It is available in 2 versions tailored to the feedwater. The Integra E^H is for hard feedwater and the Integra E^S is for softened feedwater.

UNIT DESIGN

Integral pure water tank – Ensures water is always available on demand. Tank is fully drainable and bacterially protected to comply with (S)HTM 2030

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)

Technical Data

	Integra E ^S	Integra E ^H
Output @ 10°C (l/hr)	600	225
Feedwater hardness (ppm CaCO ₃)	< 4	400*
Feedwater temperature (°C)	1-35	1-35
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
Power requirements	240V/50Hz	240V/50Hz
Width (mm)	1000	1000
Depth (mm)	750	750
Height (mm)	1800	1800

*For harder water a Purite water softener is required

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

OTHER PURITE SOLUTIONS

LABORATORY



A range of models for laboratory use, to economically produce all types of purified water, including ultrapure water to a wide range of quality and volume requirements

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.

MEMBRANE CARE



A range of cleaning chemicals together with CIP (clean in place) trolleys are available to cater for routine membrane maintenance and for removing significant levels of fouling to ensure long membrane life.