

# integra e

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<sup>h</sup> and e<sup>s</sup>

water purification units to provide (s)htm 2030 quality water for use with endoscope washing machines

## 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<sup>H</sup> is for hard feedwater and the Integra E<sup>S</sup> is for softened feedwater.

## technical specification

Technical Data	Integra E <sup>S</sup>	Integra E <sup>H</sup>
Output @ 10°C (l/hr)	600	225
Feedwater hardness (ppm CaCO <sub>3</sub> )	< 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 SUEZ water softener is required

## 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).

## contact

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