

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^h and e^s

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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.

technical specification

| 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 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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