

EndoPure™



HTM 2030 and EN ISO 15883 purified water for endoscopy

Environmental Water Systems (UK) Ltd introduces our integrated reverse osmosis, ultraviolet light and filtration system specifically designed to meet the requirements for endoscope washer disinfectors used within hospitals.

- Designed to comply with the principles of HTM 2030 and the draft European standard EN ISO 15883
- Compact and easy to manoeuvre unit, no bigger than a single three drawer filing cabinet
- Multiple technologies to produce the required purity of water
- Production rates up to 480 litres/hour with delivery rates up to 35 l/min for single or multiple washers
- Microprocessor controlled on-line monitoring at all times
- Minimal water wastage
- Continuous and intermittent recirculation facility
- Simple sanitisation
- Hygienic sample valve to validate and verify product water quality
- CE marked

www.reverseosmosis.co.uk

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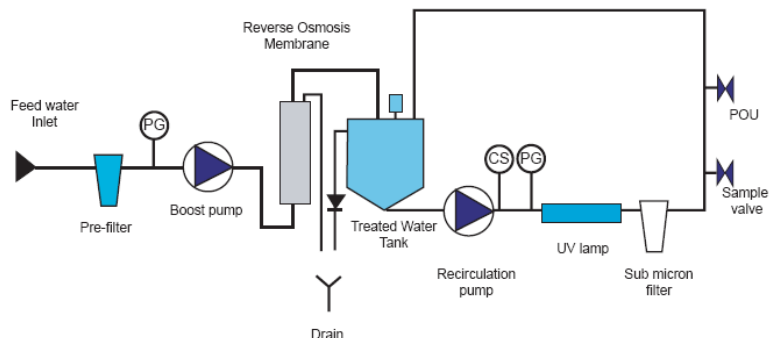
Environmental Water Systems
Total Capability in Water Purification and Water Recovery

Directors: M R Tanswell, H Tanswell, D Spriggs



EndoPure

Flow diagram



Technical specifications

RO1

RO2

RO3

Performance specifications

Conductivity	< 30 μ S/cm	< 30 μ S/cm	< 30 μ S/cm
Bacteria	< 100 CFU/100ml	< 100 CFU/100ml	< 100 CFU/100ml
Endotoxin	< 0.25 EU/ml	< 0.25 EU/ml	< 0.25 EU/ml
Particles	< 0.2 microns	< 0.2 microns	< 0.2 microns

Product specification

Product production rate @ 10°C	160 l/hr	320 l/hr	480 l/hr
Product delivery rate	Up to 35 l/min	Up to 35 l/min	Up to 35 l/min
*Recovery rate (max)	75% (based on soft water feed)	75% (based on soft water feed)	75% (based on soft water feed)
Dimensions: H x W x D	1000mm x 600mm x 600mm	1000mm x 600mm x 600mm	1000mm x 600mm x 600mm
Shipping weight (approx)	90kgs	90kgs	90kgs
Inlet pipe dimensions	1/2" BSP	1/2" BSP	1/2" BSP
Outlet pipe dimensions	1/2" BSP	1/2" BSP	1/2" BSP
Drain from RO	12 mm	12mm	12mm
RO pump motor	0.55 kW	0.55 kW	0.55 kW
Delivery/recirculation pump	0.95 kW	0.55 kW	0.55 kW
Operational modes	Power on, RO on, Service, Water good, Water bad, Permeate and concentrate flows, Inlet, Outlet and RO pressures		

Feed water specifications

General	Potable water free from organics, colloids and suspended matter		
Total dissolved solids	< 1000 mg/l	< 1000 mg/l	< 1000 mg/l
Free Chlorine	0.1 ppm	0.1 ppm	0.1 ppm
Temperature	5-40°C	5-40°C	5-40°C
Pressure	3-6 bar	3-6 bar	3-6 bar
Silt density index	< 3 SDI units	< 3 SDI units	< 3 SDI units

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