

EndoTherm Duo



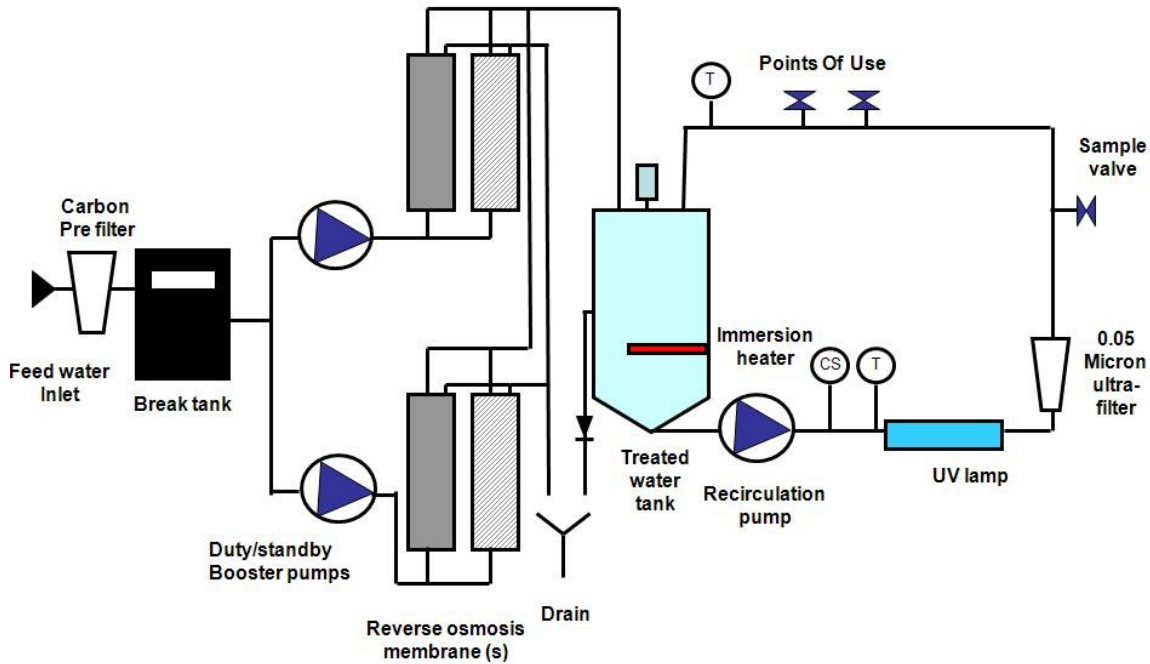
HTM2030, CfPP01-06 & EN ISO15883 purified water for endoscope disinfection with duplex RO and thermal sanitisation

The EndoTherm Duo system with duplex RO modules will deliver ambient temperature purified water to HTM2030, CfPP01-06 and EN ISO15883 requirements, and can be programmed for thermal sanitisation to take place outside work hours. Reverse osmosis, ultra violet light and 0.05 micron filtration work together in a recirculating system to achieve and maintain the required water quality

A complete water purification system with a duplex RO in a single frame

- Duplex RO system with two booster pumps and two sets of RO modules
- Ideal for single/multiple AER feed
- Designed to comply with CfPP01-06, HTM2030, C32 and the European Standard EN ISO15883
- Compact and easy to install. Just 1,360mm (w), 710mm (d) and 1,850mm (h)
- Water recirculates at ambient temperature via the UV and UF endotoxin filter to the point(s) of use
- High capacity, 316L stainless steel tank to buffer any peak in demand.
- Distribution loop in stainless steel or PEX.
- Thermal disinfection to above 80°C, carried out automatically at night
- Hygienic sample valve to validate and verify product water quality
- Upgradeable outputs
- PLC controller with colour, touch screen HMI for easy system programming
- Automatically logs previous sanitisations and many other operational alarm conditions for peace of mind

System Flow Diagram



Technical specification

Conductivity	<30 $\mu\text{S/cm}$
Bacteria	<10 cfu/100ml
Endotoxins	<0.25 EU/ml
Particles	<0.05 microns

Feed Water Requirements

Total dissolved solids	<1,000 mg/l
Total hardness	<400 mg/l
Free Chlorine	<0.4 mg/l
Temperature	5 - 20°C
Pressure	3 - 6 bar

Product Specification

	120/150	240/300	360/450	480/600
*Product production rate @ 15°C	150 l/hour	300 l/hour	450 l/hour	600 l/hour
Product delivery rate	Up to 60 l/min	Up to 60 l/min	Up to 60 l/min	Up to 60 l/min
Recovery rate (max)	Up to 70%	Up to 70%	Up to 70%	Up to 70%
Dimensions: W x D x H (mm)	----- 1,360 (w) x 710 (d) x 1,850 (h) -----			
Shipping weight (approx)	220 kg	240 kg	260 kg	300 kg
Inlet connection	1" BSP female	1" BSP female	1" BSP female	1" BSP female
Ringmain Connections	1" IDF	1" IDF	1" IDF	1" IDF
Electrical Supply	3 ph, 415 V, 32 A	3 ph, 415 V, 32 A	3 ph, 415 V, 32 A	3 ph, 415 V, 32 A



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