

# EndoTherm DUO

## RO units for Endoscopy & CSSD

A complete water purification system for endoscopy and CSSD applications, which can be programmed for thermal disinfection to take place out of hours

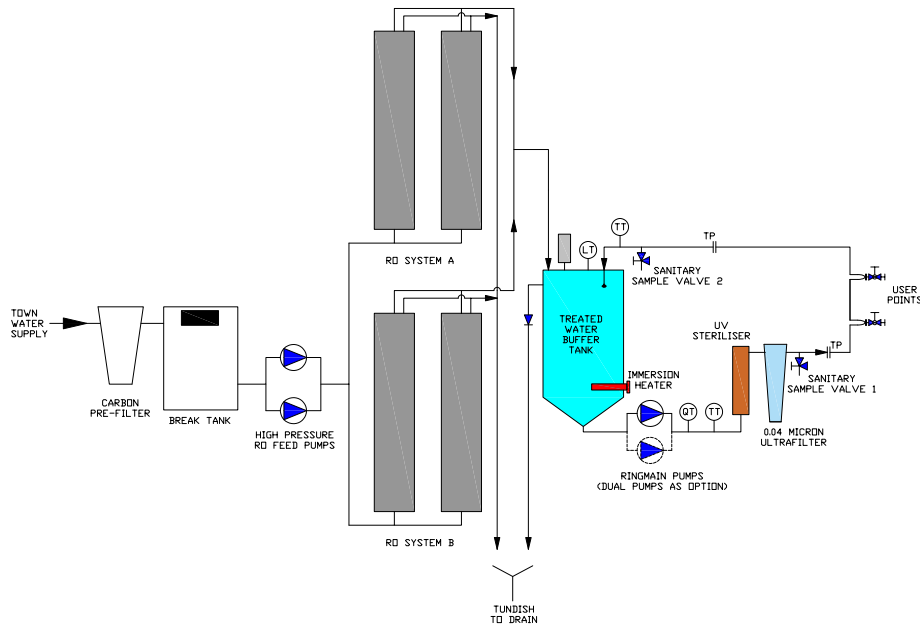
**EndoTherm Duo system with integrated duplex RO units is designed to deliver purified water to CfPP01-06, EN ISO15883 and AS4187:2014 requirements, at user specified temperature and can be programmed to thermal disinfect out of hours.**

- Complete purified water system incorporating RO, tank and distribution pumps
- Ideal for single/multiple Automatic Endoscope Reprocessors (AERs) feed, Washer-disinfectors and sterilisers
- Duplex RO units in a single SS304 skid, with wheels for maximum resilience
- Thermal disinfection at  $>80^{\circ}\text{C}$  carried out automatically out of hours
- Water recirculates at user specified temperature via the UV and 0.04 micron endotoxin retention filter to all point(s) of use
- Compact and easy to install with footprints as small as 1400mm wide x 710mm deep (1950mm H)
- Quiet operation means suitable for positioning in washroom next to AER's and in the CSSD if required (system can be supplied with panels for CSSD installation)
- High dispense rates ensures fastest AER fill rates
- Distribution loops to be in orbitally welded stainless steel or PEX pipework
- High capacity integral 316L stainless steel tank to buffer any peak demand
- Hygienic sample valve to validate and verify product water quality
- PLC controller with colour, touch screen HMI for easy system programming.
- Up to 3 years operating data is captured and downloaded (for downloading onto removable USB stick for viewing at PC), providing a permanent record of system performance for traceability



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### Technical Data

#### Feed Water Requirements

All Models

<b>General</b>	Potable water < 1400 µs/cm
<b>Total Dissolved Solids</b>	<500ppm TDS
<b>Hardness</b>	<10ppm CaCO <sub>3</sub>
<b>Temperature</b>	5 - 40°C
<b>Fouling Index (SDI)</b>	<10
<b>Free Chlorine</b>	<0.5ppm
<b>Silica</b>	<30ppm SiO <sub>2</sub>
<b>Pressure</b>	>2.5 Bar

#### Treated Water Quality

All Models (CfPP01-06 & EN ISO15883 compliant)

<b>Conductivity</b>	<30 µs/cm
<b>Bacteria</b>	<1 CFU/100ml
<b>Endotoxin</b>	<0.25 EU/ml

Can be supplied with DI cylinders if < 5 µs/cm is required, to meet EN285

### Product Specification

	EndoTherm DUO 300	EndoTherm DUO 600	EndoTherm DUO 900	EndoTherm DUO 1200
<b>Production Rate @ 15°C</b>	300 l/h	600 l/h	900 l/h	1200 l/h
<b>Delivery Flow Rate</b>	up to 60 l/m	up to 60 l/m	up to 120 l/m	up to 120 l/m
<b>RO Recovery Rate</b>	up to 75%	up to 75%	up to 75%	up to 75%
<b>Dimensions HxWxD (mm)</b>	1950 x 1400 x 710	1950 x 1400 x 710	1950 x 1400 x 750	1950 x 1400 x 750
<b>Shipping Weight (Kg)</b>	225	250	275	300
<b>Inlet Connection</b>	1" BSP	1" BSP	1" BSP	1" BSP
<b>Standpipe Drainage Req'd</b>	50mm	50mm	50mm	50mm
<b>Ringmain Connection</b>	1" IDF	1" IDF	1" IDF	1" IDF
<b>Electrical Supply</b>	3ph 315V, 32A	3ph 315V, 32A	3ph 315V, 32A	3ph 315V, 32A

(Steam heating is available on request)