

QUALITY
IN PURITY



Decontamination

WHITEWATER

Caring about water since 1932

Company Profile

Whitewater was founded in 1932 as RS White Ltd and now trades under the Whitewater name. Whitewater is one of the leading suppliers of water purification equipment in the UK and Ireland, providing solutions for industrial, laboratory, medical and drinking water applications. The company has over 85 years' experience of working in these sectors. Today, our advanced level of expertise reflects our broad and extensive knowledge of water treatment requirements and regulatory standards. All our efforts are devoted to the design, development and supply of complete solutions within water treatment. Our innovative water system designs acknowledge the importance of reducing carbon footprint and costs, with solutions including low energy, recycling, reusing water and reducing discharge volume. Our long experience and our packaged modular designs guarantee high levels of reliability, short delivery times and competitive prices.

Whitewater in Decontamination

Whitewater is a leading supplier of water purification systems in Healthcare in the following areas:

- Endoscopy
- Sterile Services

Whitewater offer the Design, Installation and Service of compliant systems that form an integral part of the operation of critical environments throughout the healthcare setting. The systems that Whitewater provide are designed to offer the maximum redundancy in order to ensure that purified water is constantly and consistently supplied to each critical area. With a patient first ethos the Whitewater service team provide 24/7 support to guarantee that each healthcare system is operating effectively and efficiently.

Compact Endoscopy Units

The Thermosan E Compact unit is fully compliant with the requirements of HTM01-06 and ISO EN15883 and is a fully packaged self-contained Simplex RO system for flow parameters of 300/600 l/h @ 15° C.

Design

- ✓ Self-Contained, minimal footprint, cabinet type RO system.
- ✓ Integral raw water break tank with Type AB air-break CAT 5.
- ✓ RO water supply at 300 or 600 l/h @ 15°C.
- ✓ 70 litre stainless steel Purified Water Tank.
- ✓ UV steriliser for continual bacteria destruction.
- ✓ UF membrane for final particle, microbiological, and endotoxin control.
- ✓ Orbitally welded 316L stainless steel pipework.

Features

- ✓ Aseptic Sample Point.
- ✓ Low energy, high rejection RO membranes.
- ✓ Programmable automatic hot water (85°C) disinfection.
- ✓ Low noise recirculation pump.
- ✓ Very low carbon footprint.
- ✓ Touchscreen HMI/PLC with real time visualisation/graphic display.
- ✓ Data Logging Option for
 - Loop Temperature
 - Loop Conductivity
 - Warning Notifications
 - Alarm Malfunctions



Duplex EDU / SSD Systems

The Thermosan range of duplex RO systems are fully compliant with the requirements of HTM01-01 / HTM 01-06 and ISO EN 15883. Each system comprises Duplex RO units with a standard recirculation skid for 300/600/900 l/h @ 15°C, specially designed to meet the requirements of EDU and centralised sterile services departments CSSD/SSD/HSDU. These systems provide full redundancy in a 100% duty/standby arrangement. Maintaining the optimum performance of the RO membranes is paramount and the selection of the correct pre-treatment is a critical factor when designing a system, dictated by the local feed water supply. RO systems normally require media filtration for suspended solids removal, a water softener for scale prevention and carbon filtration for chlorine removal. All Thermosan Duplex systems are supplied with the appropriate pre-treatment for a particular site.

Design

- ✓ Raw water break tank with type AB air-break CAT 5.
- ✓ Duty/standby fixed speed booster pumps – VSD Optional
- ✓ Duplex pre-treatment with 100% redundancy.
- ✓ Duplex RO units with duty/standby or duty/assist option. 100% redundancy.
- ✓ Standard 300/600/900 litre capacity 316L stainless steel RO water tank.
- ✓ Steam/electrically heated for system sanitisation and elevated temperature storage/distribution for SSD systems.
- ✓ Duplex distribution pumps – fixed speed – VSD optional.
- ✓ UV Steriliser (EDU only).
- ✓ UF Module - Endotoxin/Final bacteria filter.
- ✓ Optional softened water system for soft water rinse on AERs, washer disinfectors and autoclaves.

Features

- ✓ Programmable 85°C hot water disinfection.
- ✓ Touch Screen HMI / PLC with real time plant visualisation/graphic display.
- ✓ Optional remote alarm diagnostic and rectification.
- ✓ Data Logging for Loop Temperature, Loop Conductivity, Alarm Malfunctions
- ✓ Higher flow rate versions available up to 2000l/h.



Service Contracts

Whitewater provide operating support services to ensure that your water treatment system functions at peak efficiency, which is vital for any decontamination facility. Our service division of highly trained and experienced engineers offers full contract maintenance of your system eliminating costly downtime and delays. A contract can include any or all aspects of system analysis plus operator training. These contracts include our emergency 24/7 on-call support and also extend to other manufacturers systems, so no matter how you clean your water, we can ensure that standards are maintained throughout - all included in one easy package.

Our Team of Engineers are:

- Equipped and trained with up-to-date knowledge of all the latest technology.
- Equipped with fully stocked vans - for instant consumable replacements.
- Provided with smart technology - for fast spare parts order and a real-time availability view, as well as up to the minute data on the history of each site.



Contact us for a review of your current system and to find out how we can deliver improved performance, sustainable energy, water and cost savings, and help you reduce your CO₂ footprint.

Whitewater

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DESIGN



INSTALL



SERVICE

