

Hot Set



EWS Hot Set water purification system

Environmental Water Systems (UK) Ltd is a market leader in the provision of water purification systems. EWS Hot Set systems are HTM 2030 compliant to C30 model engineering specification, producing purified water for the final rinse in surgical washer disinfectors.

Performance specification

Appearance	Clear, colourless
Degree of acidity [pH]	5.5 to 8.0
Conductivity at 25°C [$\mu\text{S}/\text{cm}$]	30
Total dissolved solids [mg/100ml]	4
Total hardness, CaCO_3 [mg/l]	50
Chloride, Cl [mg/l]	10
Heavy metals, determined as Lead, Ph [mg/l]	10
Iron, Fe [mg/l]	2
Phosphate, P_2O_5 [mg/l]	0.2
Silicate, SiO_2 [mg/l]	0.2
Total Viable Count at 22°C	100
at 37°C [cfu/100ml]	100
Bacterial endotoxins [EU/ml]	0.25
Temperature	60°C with ability to elevate to 90°C

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Environmental Water Systems
Total Capability in Water Purification and Water Recovery

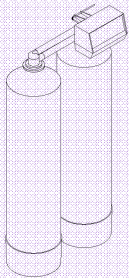
Directors: M R Tanswell, H Tanswell, D Spriggs



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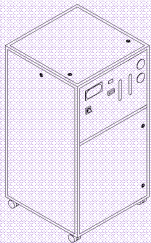
Our EWS Hot Set water purification system is suitable to use with all makes and models of hot water washer disinfectors. EWS (UK) Ltd also offers full validation and service support to ensure equipment is maintained on a regular basis. We offer a bespoke service with a variety of service options.

Customer water supply



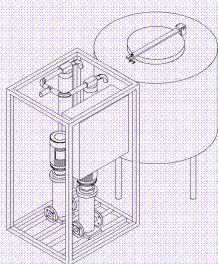
Pretreatment

A range of base exchange water softeners and exchangeable cylinders are used to remove trace contaminants and to improve water quality of deionised or reverse osmosis permeate water. Dependent on requirements, the cylinders can be filled with a wide range of media such as: mixed bed resins, activated carbon or organic reduction media.



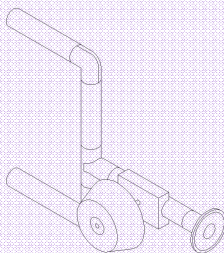
Reverse osmosis

EWS (UK) Ltd uses the latest reverse osmosis technology specifically designed to meet the requirements of HTM 2030 and European standard EN ISO 15883. Using high performance membranes and with flow rates up to 25m³/hr in the standard range of plant, the equipment is compact and comes complete with PLC control.



Integrated hot water and ultra micro filtration hot set

The hot set incorporates steam or electrical heating up to 90°C within a lagged and clad stainless steel treated water storage tank. The system is PLC controlled and incorporates sanitary fittings, a sample point, simplex or duplex delivery pumps and 0.2 micron absolute filters for endotoxin control.



Distribution pipework

Hygienic 316L stainless steel distribution loop will transport the water from the hot water tank via the ultra-micro filter to the point of use. The distribution loop will be a fully TIG welded system.

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