

# Heaters with an anti-legionella function

Andrews Water Heaters has built an anti-legionella function into the design of its MAXXflo range of stainless steel, condensing storage water heaters.

The company identified this as key particularly as direct-fired storage water heaters are increasingly incorporated into DHW systems within sport, leisure and stadia, hospital and education establishments.

"The design and operating principle of MAXXflo, using closely controlled water temperature and carefully regulated water flow, affords protection against the colonisation of legionella bacteria within the unit and complies with L8 approved code of practice," says the company.

Temperature can be increased for legionella control over a set period. A sensor on the system return, for which a kit is available, will ensure the set temperature, less 5 deg C, is present for a minimum of 20 minutes (adjustable) to ensure system pipework is cleansed. The unit will then return back to its normal operating set point.

The company adds: "MAXXflo is designed to provide a further option in today's energy efficient market and was developed in line with the demands of the new Building Regulations Part L2.

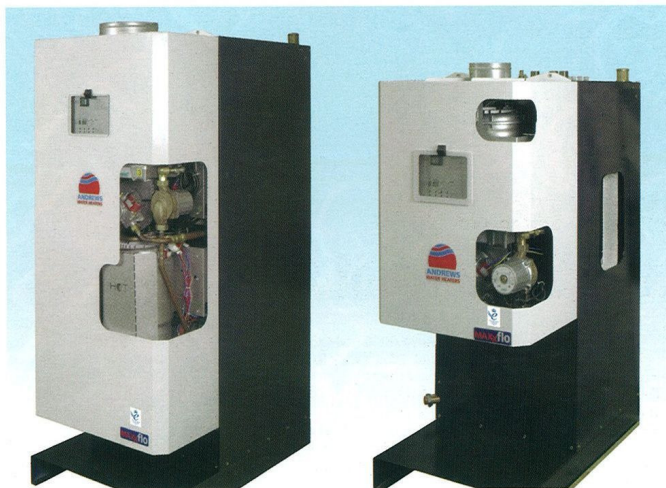
"It is included in the Government's Enhanced Capital Allowance scheme and by meeting all the criteria for this, also qualifies for the Energy Technology List. These appliances are now entered alongside the Supa-Flo R300 Series condensing non-storage water heaters and Supa-Heat R300 condensing boiler range."

MAXXflo earned the distinction of winning a Queen's Award for Enterprise, in the Innovation Category in 2007.

The MAXXflo range has tank options of 100 litres capacity with an output of 30kW, 200 and 300 litres capacity, each with four output sizes from 30 to 120 kW.

☎ 0845 070 1055

www.andrewswaterheaters.co.uk



## Treating stagnant water

Shower-Safe is an anti-legionella product that treats the stagnant water left in the shower after it has been used.

The company says: "Shower-Safe is a very simple retro-fit kit containing silver and copper mesh beads. Half the beads are put into the shower head and the remainder into the hose. Filter washers are used at the connections to keep the beads in their respective positions. Silver is a biocide and copper gets rid of biofilm. Together they kill the legionella bacteria and other bad bacteria such as pseudomonas."

The equipment can also be used in other situations such as spa hot tub pipe work, emergency showers and eye wash units, sluice pipe work, temporary dead legs, and flexible connections, particularly after mixer valves.

☎ 0870 723 3420

www.shower-safe.co.uk

## Superbugs targeted in NHS ventilation systems

System Hygienics is helping healthcare professionals to identify and eradicate MRSA bacteria in hospital ventilation systems, enabling Department of Health guidelines to be met.

In a survey at a major hospital in the east of England, System Hygienics undertook analysis of samples taken from the ventilation system, pre and post cleaning, throughout the building, including open wards and isolation rooms. Out of 14 samples, evidence of MRSA micro-organism contamination was found in nine areas of the ventilation system.

System Hygienics then cleaned the ventilation ductwork using its JetVent system. Subsequent analysis of samples taken from the same locations within the hospital proved negative for MRSA bacteria.

As a result of System Hygienics' specialist cleaning procedure, the hospital is able to meet the Department of Health's guidelines on the operational management and performance verification of specialised ventilation systems (Health Technical Memorandum 03-01: Specialised Ventilation for Healthcare Premises).

The guidelines state that ventilation plant in critical care areas must not contain any material or substance that could support the growth of micro-organisms.

To control the risk of infections in hospitals, unseen ventilation system ductwork surfaces must be cleaned regularly to prevent the build-up of dust and dirt composed of a mixture of organic compounds, including a high proportion of skin and hair. If left, this mix becomes a valuable nutrient for harmful micro-organisms such as MRSA and Clostridium Difficile, which can easily become airborne and infect patients.

System Hygienics JetVent system is said to clean the ductwork with negligible disruption to the day-to-day running of the building. Minimal access to ductwork is required, as up to 100 metres can be reached from one point. There is no leakage of contaminants, and cleaning is achieved quickly and efficiently. The cleaning process ensures hospitals meet the guidelines specified in the new HTM 03-01.



☎ 01323 481170

www.systemhygienics.co.uk

## Ductwork cleaning key to meeting hospital standards

Swiftclean Environmental has been working closely with the Heart of England Trust on a programme of ductwork cleaning procedures, in order to meet the Trust's commitment to hygiene in ventilation and air conditioning systems.

The Trust is required to meet standards in accordance with the latest Health Technical Memorandum 03-01: Specialised ventilation for healthcare premises.

The firms says working in a healthcare environment can be a challenge, with ward decanting and theatre closures often announced at short notice. As a result, any maintenance work has to be planned and executed in a limited time frame or vital remedial works may not be possible again for many months.

Reactive planning was the key and Swiftclean has been working closely with respective Estates personnel to ensure labour is available when required.

Mike Keye, estates officer for Solihull Hospital, says: "We are pleased to report that, once again, Swiftclean Environmental has carried out this work to the complete satisfaction of those involved. They were thoroughly prepared for everything, ensuring the highest levels of cleanliness and the minimum amount of disruption to patients and staff. We will certainly work together again with Swiftclean to ensure that our ventilation systems remain in a clean and hygienic condition."

The Trust's hospitals include: Birmingham Heartlands Hospital, Solihull Hospital, Good Hope Hospital and Birmingham Chest Clinic. These provide general and specialist hospital care for the people of east Birmingham, Solihull, Sutton Coldfield, Tamworth and South Staffordshire.



☎ 0800 243471

www.swiftclean.co.uk

## Valve to combat legionella

Pegler Yorkshire has released the Prestex circulation valve to combat legionella in domestic hot and cold water heating systems.

The Prestex circulation valve is a thermostatically controlled device that works by automatically achieving thermal balancing and high temperature disinfection of the hot water system, which denies the legionella bacteria its optimum conditions for growth, between 22-43 deg C.

The Prestex valve can also be used to minimise hot water costs and reduce water consumption.

Pegler Yorkshire product manager Barrie Plant said: "It is often forgotten that domestic systems are not immune from this problem. In the home, the most common way for the bacteria to be transferred is direct into someone's lungs via the spray created by a shower, for example."

"These new circulation valves from the Prestex range are the ideal tool for achieving the twin aims of combating legionella and scalding in one. There is a choice of valves with different temperature ranges to suit most situations."

The valves are DIN-DVGW approved and deliver automatic thermal disinfection in temperature ranges above 65 deg C and include thermometer and insulation jackets. A stop valve and drain valve is also included, which allows for some flow adjustment via manual control and regulating cartridges are available as spares if required.



☎ 0870 1200 284

www.pegler-yorkshire.co.uk