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VERSATILITY IS KEY IN COMMERCIAL WATER HEATING DEVELOPMENT

Andrews Water Heaters, part of Baxi Commercial Division, has been providing market-leading cost effective commercial water heating solutions for over 30 years. Hot water is increasingly becoming the dominant load in commercial buildings as carbon reduction legislation becomes more stringent. In response, this forward-thinking company continues to lead in the development high efficiency direct gas-fired storage and non-storage water heaters as well as integrated Low/Zero Carbon (LZC) solutions.

Low mains pressure problems? Solved!

The most recent advancement in high efficiency water heating technology from Andrews, the new NEOflo, is a further development of the industry award winning range of direct fired condensing stainless steel storage water heaters. This innovative appliance offers the perfect solution for all types of applications, especially where mains water pressure is low, as in many parts of Ireland, as well as for retrofit or refurbishment projects in buildings using tank fed (vented) systems. Low internal resistance allows the heater to operate at pressures as low as 0.2 bar. The type of upward firing burner, combined with tank sizes ranging between 200 and 400 litres, ensures that the NEOflo can handle a high flow rate and is not affected by cavitation or air locks, thereby providing a reliable solution for a large number of installations.

The NEOflo minimises environmental impact by incorporating the latest in condensing water heating technology and controls, thereby ensuring optimum performance and ease of use as well as economic running costs. Featuring a fully condensing 316L stainless steel heat exchanger using a pre-mix burner, NEOflo achieves a high efficiency of 106% net and ultra low NO_x performance of less than 25ppm.

Heat input is carefully regulated to produce a closely controlled water temperature and, as with all Andrews water heaters, the design principles of these units afford protection against Legionella bacteria.

Available in 200, 300 and 400 litre stainless steel storage tank options, NEOflo has quick recovery rates of just 430 litres per hr through a 50°C rise for all models. In all cases, the compact dimensions of these water heaters means that they will easily pass through any standard doorway, and the small footprint and multiple flue options provide greater siting flexibility. NEOflo can be installed as a room sealed balanced flue appliance using either twin or concentric flues or, alternatively, conventional flue components can be utilised, giving an even longer flue run.

The NEOflo range also incorporates the latest electronic controls, including digital temperature control and integrated diagnostics, which are accessed via the user-friendly BMS interface complete with LCD display. This enables adjustment of the temperature set-point and access to engineering functionalities. The design also allows for connection to a Building Energy Management System (BEMS).

First of its kind

The award winning MAXXflo condensing stainless steel storage water heater was the first product of its kind available in the UK and Ireland. Its highly efficient heat exchanger, special burners and tank design enable high performance, low energy consumption and low running costs to be combined with low carbon dioxide and nitrogen oxide emissions.

Up to four independent multiple premix modulating burner modules achieve up to 109% efficiency and ultra low NO_x emissions of 25ppm. MAXXflo also has an anti-legionella feature which contributes to improved health and safety. It offers tank options of 200 and 300 litre capacities with four output sizes from 30 to 120kW. With a small footprint and multiple flue options, the MAXXflo is easy to manoeuvre and offers a variety of installation options.

Both NEOflo and MAXXflo units can be a component part within a commercial hot water system that utilises renewable technology, such as the Andrews SOLARflo solar thermal water heating system, to maximum effect.

For further information visit our website www.andrewswaterheaters.co.uk

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