

ANDREWS

in ACTION

ANDREWS
WATER HEATERS

WINTER 2004/2005

welcome...



Paul Yurnie, Managing Director

It is always interesting to select items for inclusion in our Newsletters because it gives me the opportunity to review our activities of recent months. I can once again thank you, our customers, and my colleagues at Andrews for another good trading year, which has seen our products being used in an amazing variety of applications.

In trying to give universal interest to this publication we review the many and diverse activities in which we become involved. The sales and technical team of Andrews enjoy the interaction with our customers and being involved with a number of associated industry activities. One of these is our support for the Building Services Awards and 2005 will be the seventh year we have sponsored The Major M&E Contractor of the Year category.

Paramount to the continuing success of any company is its investment in product development. We have just announced to the press details of our new Maxxflo range of condensing storage water heaters and will soon be sending more information to our customers. Developed by Andrews and manufactured in the UK, this stainless steel range of eight condensing storage water heaters will give a new benchmark to modern high efficiency water heating production. In addition, Andrews will be launching two or three further new products during the course of 2005.

Looking to the future we will have the benefit of a new product development facility, which is currently being constructed at the premises of our sister company to house our own dedicated R&D staff.

The new **MAXxflo** stainless steel condensing storage water heater from **Andrews**

Andrews Water Heaters introduces for 2005 the Maxxflo stainless steel, high efficiency condensing storage water heater, designed to meet the requirements of today's energy efficient market. This latest addition to the Andrews product portfolio is in line with the demands of the new Building Regulations Part L2. It is expected to take its place alongside the Andrews R300 condensing non-storage water heaters range in the Government's Enhanced Capital Allowance (ECA) Scheme.

During the past 29 years Andrews Water Heaters has been at the forefront of development and provision of independent gas-fired storage water heaters for the commercial, industrial and public sectors. Andrews units have provided the answer to energy efficiency in promoting the separation and decentralisation of hot water systems. Over this period the Andrews range of water heaters has evolved to include not only storage but non-storage and continuous flow units, conventional balanced flue and fanned flue units and oil-fired water heaters. For some five years the Andrews product portfolio has included the condensing R300 Supa-Flo range of non-storage water heaters, which have been used in locations as diverse as prisons, hospitals, universities, hotels, leisure/arts centres, sports stadia, shopping

centres and military facilities as well as process applications.

With the heating industry's move to condensing boilers it is obvious that clients will expect water heating equipment to also be condensing. Andrews has therefore taken steps to extend their range of products utilising this technology.

The new Maxxflo range of condensing storage water heaters has tank options of 200 and 300 litres capacity and is available in eight sizes from 30 to 120 kW. The high efficiency stainless steel heat exchangers, numbering up to four depending on output, pre-mix modulating gas burners and stainless steel tank design allow the heater to generate hot water in the condensing mode up to 80% of the tank volume, producing a nett efficiency of 109%. This will provide numerous solutions in commercial and industrial applications where the storage type of condensing water heater is preferred.



Furthermore, the small footprint of the Maxxflo and its multiple flue options enable installation in unusually problematical locations.

The stainless steel tank has a single bottom drain, large clean out opening and a built-in anti-legionella feature. The cold water from the base of the tank is fed into the externally mounted heat exchangers and fed to the top of the tank. Therefore, hot water is available instantaneously. The Maxxflo heater temperature can be set between 40 and 70°C. A digital electronic controller operates the pre-mix fully modulating gas burners fitted to each of the heater modules. The tank temperature, up to 70°C, is set on the master control. BEMS and other external interfaces are provided.

Maxxflo water heaters can be installed as room-sealed balanced flue appliances using concentric flue components supplied by Andrews.

Alternatively, conventional flue components that are suitable for condensing appliances can be used where a longer flue run is required.