A new addition to oil heating

Recently launched into the UK central heating market is the Oxyvent patented energy saving system.

Simple and quick to install says John Markham who undertook a recent installation in the Cambridge area

Designed by plumber, Tim Cremin, Oxyvent's launch is ideally timed as it coincides with the need to drive down energy bills and with government legislation to improve the green credentials of existing and future UK housing stock.

The Oxyvent system works by increasing the flow rate of water through a radiator, from an average one litre per minute, to four litres per minute. Tested in the fluids and heat transfer laboratory at Trinity College's department of mechanical and manufacturing engineering in Dublin, the system is fully compatible with both existing and newly installed oil-fired boilers. "As a plumber, I was tired of fixing heating systems with recurring and unavoidable issues such as poor flow rate; so out of frustration I designed the Oxyvent tank," says Tim.

By pushing more water through much faster, the system improves radiator performance, reducing the standard

Oxyvent – a unique system

11˚C difference between radiator inlet and outlet to just 2˚C. This enables all radiators - not just those closest to the boiler - to operate at the same temperature. With faster flow rate and better radiator performance - radiators create more radiant heat rather than standard convection and, a boiler can be set at a lower 60˚C or, 65˚C with a separate hot water cylinder.

"There's no need to balance radiator valves as all valves are left fully open. The same size radiators will give off more powerful heat, heating all rooms evenly, dispensing the need for extra electric heaters. There are no more air locks or venting of radiators and, if installed, there's no need to flush out underfloor heating systems every few years, as the system prevents air from entering," explains Tim. "The customer will have a 30 % fuel saving and all rooms will heat up properly, creating a much more comfortable home. Customers will be able to have their oil boilers in constant condensing mode, saving them even more fuel."

The Oxyvent experience – installer and homeowner

According to Tim, the system is easily installed, taking between a few hours and a day depending on the type of installation. John Markham, director of Cambridge Discount Installations, who undertook a recent installation in the Cambridge area agrees: "The installation took three hours from draining to re-filling and testing the Oxyvent. There was minimum fuss, so it was quick to install and wasn't intrusive for the homeowner. In terms of what the Oxyvent tank does, there's nothing comparable on the market. From what we've seen, it's a unique product."

Homeowner, Lucy Surbey had the Oxyvent system installed in February and is delighted with the results: "We're currently renovating an Edwardian property which has large rooms. Before the system was installed, it took a long time for the radiators to heat up; in fact they never seemed to work properly, projecting heat upwards rather than outwards. Within two hours of the Oxyvent tank being installed, all radiators were projecting heat out equally, and we could feel the warmth. It's made a massive difference to our home and we've even been turning the thermostat down. " **www.oxyvent.com**

According to Oxyvent, approximately 2000 tanks have already been installed and the customer feedback has been 'overwhelmingly positive'. Oil Installer welcomes opinion from readers about this new system; a follow up article will appear in the autumn 2011 issue. Email your comments and/or questions to jane@oilinstaller.co.uk to arrive by Friday 24th June.