

CombiSmart submitted for Product Category by Save Water Save Money Limited



What. The patented CombiSmart is a clever new eco product that works by holding back the hot water in a combination boiler to a lower flow rate c.3 litres per minute while the water is heated to the right temperature, delivering hot water quicker without the waste.

Why. CombiSmart can be retrofitted to most combination boilers either at install of a new boiler or to an existing boiler in situ – we have developed a simple online search facility to check boiler suitability prior to installation – see www.sustainablecommunitiespartnership.co.uk/specifications . The product is an inline device, so it can be easily fitted within no more than 15 minutes without adjusting existing pipework.

Based on an EN625 test conducted by independent consultancy Enertek International, savings are as follows (indicating the maximum savings): **7.63 litres** and **0.1683kWh** saved every time the boiler is fired up from cold; **Over 32,000 litres** and **727 kWh** saved every year; this is the equivalent of an estimated saving of £32.64 saving in gas and £83.62 saving in water, **a total of £116.26** every year; and a saving of around **159KgCO2** every year.

“The installations so far have proved very successful, reducing draw off times considerably and in one case from 1 minute 24 seconds to 27 seconds.” Tenant Feedback, Yarlington Housing Group.

How. CombiSmart features an external bypass screw which allows the hot water flow rate to be set just sufficient to fire the boiler. Once the thermostatic valve is heated to c.43 degrees centigrade, the valve expands to allow hot water to flow freely at a rate of up to c.21 litres per minute. CombiSmart can be fitted to most combination boilers. SaveWaterSaveMoney has letters of confirmation from the main boiler manufacturers – Worcester-Bosch, Ideal, Vaillant and Gloworm – that CombiSmart will not affect boiler warranty (see attached). A product sheet and set of installation instructions are also attached.

Costs. SaveWaterSaveMoney offers CombiSmart at £29.99 ex VAT to Housing Associations and Local Authorities to offer at no cost to their tenants. This is discounted from £34.99 and based on the appetite to work with the UK’s Water Companies, where possible/relevant to install a number of free, additional water and energy saving devices for installation around the home. These free items have a retail price of £37.50 and will save more than £100 on utility bills a year. Items include: a regulated showerhead, a four minute shower timer, a Save-A-Flush, the innovative bath displacer BathBuoy, and a Toothy Timer (the latter two items developed by SaveWaterSaveMoney to open up the reach of water & energy saving to families with young kids). Costs to install are minimal with fitting taking place during new boiler installs, refurbishments, general maintenance and during void properties. “As an inline device with no kinks or bends, it’s simple to fit in ten minutes with minimal risk of poor connections, even in the tightest of spaces.”Npower.

SaveWaterSaveMoney offers CombiSmart plus installation including VAT for the price of £89.95 in partnership with Water Companies direct to their customers via online/offline communication. An initial pilot with Portsmouth Water has shown a response rate of 2.0% and 0.5% conversion on a test mailing of 5,000 properties.

Date of launch. CombiSmart was launched to the market on 1st September 2012.

Water or Building Regulations. CombiSmart has WRAS approved no: 1107338. We have a second device with built-in slip couplings due to launch January 2014, WRAS no. 1210315, to reduce install time further

Approval. In addition to the above, CombiSmart is currently being trialled by over 50 Housing Associations and Local Authorities, with around half purchasing and installing in tenants’ properties, including: Wirral Housing Association; NPower in association with Castle Vale; Yarlington Housing; Exeter City Council; Taunton Dene Housing; North Lincolnshire Homes; New Charter Housing; Green Square, A2Dominion.