



ferroli

AquaSol meets renewables targets

Easy Heat installs Ferroli
AquaSol Solar Combi for
Rutherglen and Cambuslang
Housing Association



EASY HEAT
s y s t e m s
heating - plumbing - building services

AquaSol meets renewables targets

Rutherglen and Cambuslang Housing Association fits Ferroli AquaSol Solar Combi

Easy Heat Systems Limited has installed one of the first solar hot water heating system packages for a housing association in Scotland.

Rutherglen and Cambuslang Housing Association, located on the south east periphery of Glasgow, is investing in a complete solar combi package from Ferroli, as part of an ambitious renewable energy initiative. The package combines Ferroli's Optimax HE 31kW condensing combi boiler and AquaSol storage cylinder with the latest slimline solar roof panels.

To date, Ferroli solar systems have been successfully installed in 52 of the Housing Association's terraced and

semi-detached properties, with a further 80 being considered for a second phase. The Association sees the project as key to its commitment to addressing fuel poverty by replacing old back boilers with more energy efficient units, as well as helping to reduce the carbon footprint of its housing stock. It will be monitoring tenants' heating bills over the coming year to assess the impact of the new solar systems.

Rutherglen and Cambuslang Housing Association

David Anderson, Director at the Rutherglen and Cambuslang Housing Association says, "We only began discussions with Ferroli and Easy Heat Systems around February this year, so the project has progressed very quickly thanks to the speed and efficiency of all those involved. The installations have gone very well so far and we've had excellent feedback from the tenants concerned, who will soon feel the benefit of lower fuel costs."

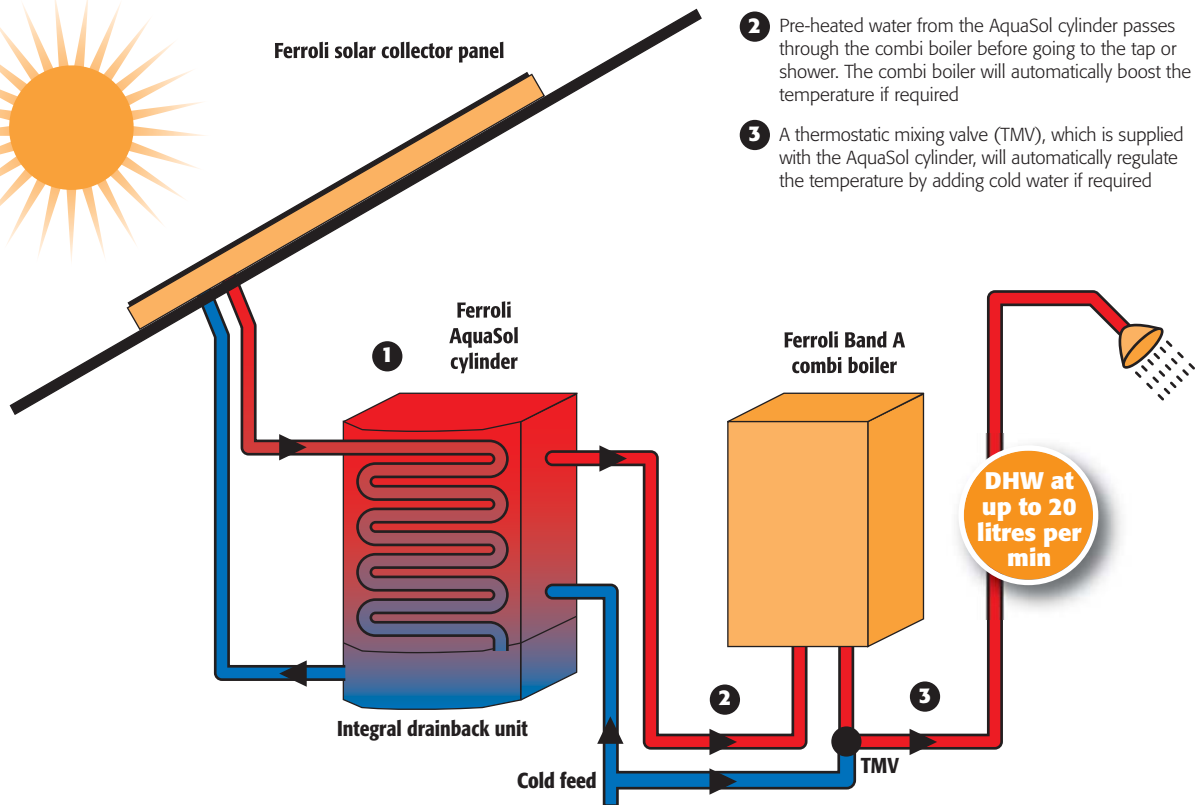
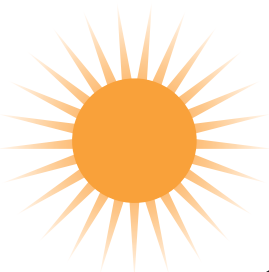
The Ferroli AquaSol solar combi was proposed by installation company Easy Heat Systems of Perth who had been impressed right from its launch. Easy Heat's contract manager Jamie Glackin commented, "As these were some of the first Ferroli solar systems to be installed in the UK we worked very closely with Ferroli to ensure everything went smoothly. We had 15 BPEC-trained operatives on site and completed installations at 16 properties – each took about two days."



Contract manager at Easy Heat Systems, Jamie Glackin says, "Renewable energy is a key aspect of a sustainable environment. It can play an important role in meeting Government targets for cutting carbon emissions and in providing tenants with affordable living. Among the sustainable energy options currently available, solar hot water systems are considered to be among the most cost-effective solutions by many housing associations. Easy Heat Systems worked closely with Ferroli and Rutherglen and Cambuslang Housing Association to provide a solar hot water heating system that delivered energy efficiency, environmental responsibility and, not least, plenty of hot water".



energy for
the future



- 1 Solar energy heats water in the Ferroli AquaSol combi cylinder. The AquaSol cylinder incorporates an integral drainback unit so that the solar collector can be emptied automatically if there is any risk of frost or solar overheat
- 2 Pre-heated water from the AquaSol cylinder passes through the combi boiler before going to the tap or shower. The combi boiler will automatically boost the temperature if required
- 3 A thermostatic mixing valve (TMV), which is supplied with the AquaSol cylinder, will automatically regulate the temperature by adding cold water if required

the unique AquaSol solar combi

Solar delivers energy savings

The Rutherglen and Cambuslang Housing Association has specified Ferrolì's solar combi solution for smaller DHW users.

This consists of Ferrolì's solar collector panels which pre-heat the water in an AquaSol cylinder. The water then flows through a Ferrolì Optimax HE combi for thermal 'top-up' on demand. In full summer, water in the AquaSol cylinder may be hot enough to supply the DHW demand without the need to be topped up by the boiler.

Significant energy savings

And even on cold, grey winter days, solar energy can reduce gas demand by 20% (and increase the DHW flow rate from the boiler).

Commenting on the specification of Ferrolì's solar hot water heating system by Rutherglen & Cambuslang Housing Association, Andy Gannon, Ferrolì's National Sales Director says, "Solar combi is great for social housing: simple to fit alongside a new combi boiler, where it can help reduce carbon emissions, in line with government targets, and cut tenants' fuel bills. The success of this particular project also demonstrates Ferrolì's commitment to supporting all parties in this type of contract to make sure everything runs smoothly."



key facts

Client

Rutherglen and Cambuslang Housing Association

Project

Solar hot water heating systems for 52 terraced and semi-detached properties

Ferrolì products

Optimax HE boilers

AquaSol cylinders

Ferrolì solar collector panels

Ferrolì website

www.ferrolì.co.uk

Key benefits

- A Ferrolì solar system can save as much as 100% of the energy required to provide domestic hot water on a sunny summer day
- Throughout the whole year, a Ferrolì solar installation can reduce the amount of conventional gas, oil or electricity used to heat water by over 50%
- A Ferrolì solar system will significantly reduce CO2 emissions – typically saving many tonnes of CO2 per household per year
- Ferrolì's AquaSol solar system features a separate drain back unit, which stores water from the solar collector during periods when it may be damaged by frost or extreme temperature, or there is no demand for hot water
- Ferrolì also offers a system for larger DHW users, whereby solar collector panels pre-heat the water stored in a Ferrolì AquaCyl twin-coil cylinder by a primary heating coil - a Ferrolì high efficiency boiler then 'tops-up' the water temperature via a secondary coil in the cylinder.

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