

Case study

WaterMaster Evo installed at new state-of-the-art gym in Big Motoring World HQ



When Big Motoring World, a leading company in the automotive industry, recently introduced a new state-of-the-art corporate gym at its Gillingham Head Office, as part of a drive to enhance staff's health and well-being, it needed a competitively priced and energy-efficient domestic hot water (DHW) solution. To meet this requirement, WaterMaster Evo 35 was selected to provide employees with a comfortable and continuous supply of hot water.

Challenge

With gyms and leisure facilities typically having a high hot water demand, Big Motoring World needed a reliable system that would efficiently serve seven new showers and several wash basins in two new changing rooms at its new basement gym, at a good price point. Moreover, with 300 members of staff, it needed a flexible system that could cater to fluctuations without running up huge energy bills.

Solution

By investigating the hot water usage patterns of the new gym, it became clear that during the working day, peak shower time would typically be before and after working hours, so roughly between 7.00 – 8.30am and 6.00 – 11.00pm. Armed with this information, about the new facilities' potential hot water usage, Peter Rust of FlueGas Ltd considered the different options available. To find a solution that would efficiently meet the demands of the new gym showers, FlueGas Ltd turned to its local ACV representative who, following a range of appropriate sizing exercises, was able to expertly identify why the WaterMaster Evo 35 would work best.

In addition to being the best option for the clients needs at a competitive price, the level of service and technical backup supplied by ACV were the deciding factors when selecting the WaterMaster Evo.

WaterMaster Evo 35

The selected model for the project was a WaterMaster Evo 35 direct-fired condensing water heater with stainless steel heat exchanger technology. Thanks to fast re-heat times due to the innovative tank-in-tank technology, this system ensures that employees can enjoy a constant supply of hot water during their post shower workout.

Benefitting from tank-in-tank technology, thanks to a short recovery time, this means less hot water is required to reach the desired output temperature when it is mixed with cold water. Here, Big Motoring World can expect to benefit from reduced running costs and direct emissions due to the high energy efficiency and condensing capacity of the product.

Sector:

Leisure

Location:

Kent

Type of project:

New installation

Products:

WaterMaster Evo 35

Application:

DHW

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Furthermore, as heat losses are also minimised (due to the DHW in the inner vessel being insulated by hot primary water) less energy is wasted. The result of which is a more economically sound system. Furthermore, as hot water is stored above 60°C degrees, scale build-up and the threat of legionella are also considerably reduced.

Compact design

Featuring a lightweight and slim-line design due to the use of stainless steel, WaterMaster Evo also helped to ease transportation to the building's plantroom. Offering a more compact approach to other more cumbersome hot water models, WaterMaster Evo is designed to easily fit through a standard doorway.

Corrosion resistant

The stainless steel aspect of the WaterMaster Evo was also a big selling point for this project. Thanks to its stainless steel heat exchanger and tank, WaterMaster Evo offers considerable resistance to corrosion to help maximise service life. As a result, going forward, Big Motoring World can expect to achieve valuable cost savings from simpler service and maintenance requirements.

Following installation, Big Motoring World has also installed a water softener to work in conjunction with the new domestic hot water (DHW) system.

Durable and compliant

Suitable for both renovation and new build projects, the WaterMaster Evo is available in six models with 788 – 3,402 l/h continuous flow (@40°). Fully compliant with the latest Ecodesign regulations for domestic hot water (DHW), models are also supplied with a 5-year warranty (terms and conditions apply).

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Easy to install

Compact and lightweight, with a small footprint, the WaterMaster Evo provided FlueGas Ltd with a simple installation solution.

In addition to helping Big Motoring World with a cost effective and reliable domestic hot water system to support its new gym, ACV was also on hand to advise on accessories to support the new installation.

Customer support

Alongside the practical benefits of the WaterMaster Evo, FlueGas chose ACV UK over other manufacturers thanks to its stellar reputation as Peter Rust, Fluegas Ltd, comments,

"ACV were reliable, efficient and a pleasure to work with. They were always quick to respond when we needed them and the support team provided us with practically the best technical assistance we've ever experienced. We look forward to working with them again".

Fluegas Ltd is a professional commercial heating, gas installation and maintenance services company based in Hertfordshire. Established for 25 years, the team delivers first-class plumbing and heating services across London and the Southeast of England.

A quick and modern solution

Completed in two short weeks, the new WaterMaster Evo 35 fully condensing gas fired hot water system now provides employees at the new gym with an efficient and constant supply of hot water on demand. Following the installation, Big Motoring World is delighted to have a cost-effective, robust and reliable hot water system in place to serve its staff.