

Case study

HeatMaster installed at Primary School in Lancashire



Sector:

Education

Location:

Lancashire

Type of project:

Refurbishment

Products:

HeatMaster

Application:

DHW

When a primary school in Lancashire, needed to replace its heating and hot water equipment, it needed an efficient and reliable system that could be installed with minimum disruption to its community. To meet the school's requirements, two HeatMaster 45 TC EVO condensing boilers were selected to provide the building with a cost-effective and durable solution.

The school was previously using a conventional gas-fired floor-standing boiler and Andrew's water heater to supply heat and hot water to its school building. However, after experiencing frequent faults, which had started to render the system unreliable, Thompson Building Services was appointed to update the system during the school's summer holiday.

"The project had to be completed to a tight deadline with hot water available for the students return at the start of term. ACV was able to meet the quick lead times for supplying equipment to meet this deadline", explains Stuart Thompson, Thompson Building Services.

HeatMaster

The selected model for the refurbishment was the HeatMaster combi boiler and water heater with stainless steel heat exchanger technology, which provides heating and hot water from one single

Case study

HeatMaster installed at Primary School in Lancashire



combination unit up to 121kW output and 3,402 l/h continuous flow.

Benefitting from a reliable and efficient solution

Benefitting from tank-in-tank technology, thanks to a short recovery time, less hot water is required to reach the desired output temperature when it is mixed with cold water, which helps to reduce costs. Furthermore, heat losses are also minimised, as the DHW in the inner vessel is surrounded by hot primary water, lowering energy wastage. This means that the school will now benefit from a more economical system. In addition to this, as hot water is now stored at higher temperatures, above 60 degrees, scale build-up and the threat of legionella are also considerably reduced.



HeatMaster



The refurbishment project was completed in five weeks during the school's summer holidays.

Stuart Thompson comments, "The ACV plant is a combined heating and hot water unit which allowed for relative ease of installation within the allocated time frame. The products are performing as expected and the system is much more efficient than the previous one. The client is very happy with the project".

Thompson Building Services specialise in undertaking commercial M&E installations in the educational, retail and industrial sector. Established in 1946, the team undertakes commercial M&E installations across Preston, Lancashire and the UK.

The project was a success and students and teachers alike are now benefitting from a more reliable and effective heating and hot water system which requires less maintenance and subsequent disruption. Furthermore, as opposed to its conventional system, which was approximately 60% efficient, the new ACV product installation will be approximately 92% efficient, providing the school with valuable cost savings.

Talk to us today

01383 820100

uk.sales@acv.com

acv.com/gb