

BOILER & WATER HEATER SUPPLIER



Three Buderus GB402 620kw units are heating Belfast Metropolitan College efficiently.



High performance, hot water ACV Heatmaster units

RELIABLE AND EFFICIENT BOILERS KEEPING STUDENTS WARM AT NEW CAMPUS...

First class performance from C&F Quadrant

With over 2,500 full-time students to keep warm, the new Titanic Quarter campus of Belfast Metropolitan College required reliable and efficient boilers. When making the choice, Harvey Group again turned to C&F Quadrant to deliver the consistent solution provided by Buderus for the boilers and ACV for the water heaters. The two companies have a solid relationship, having worked together on a number of sizeable education projects in Northern Ireland.

"The Buderus name is well proven in commercial circles and is becoming the boiler of choice for projects such as this. The same can be said for ACV, which works perfectly for Belfast Met which has a high hot water demand," said Robert Forsythe, C&F Quadrant. "We are delighted to once again team up with Harvey Group to deliver another prestigious education project."

The energy efficiency aspect was hugely important on the overall project, with the heating an essential element to this. So the fact that the Titanic Quarter campus has already been named as the Environmental

Project of the Year Award in the 2011 Sustainable Ireland Awards speaks for itself. The three Buderus GB402 620kw units installed at Belfast Met met all the unique demands of this sizeable project, delivering not only the reliability required, but the efficiency provided by a cascade formation. Part of the higher output condensing range from Buderus, the GB402 is an innovative gas condensing boiler that comes with an impressive list of features, including an increased range of installation options. One of these key features is the low NOx and noise levels. The unit is light in weight, yet it is extremely powerful thanks to a cast aluminium heat exchanger and thermally insulated boiler housing.

This is combined with a modulating premix gas burner and intelligent combustion controller to deliver up to 110% net efficiency and a low NOx of 40mg/kwh or BREEAM 5 rating – which played a significant role in the overall energy efficiency of the project. For the installation team at Belfast Met, the ease of installation and maintenance proved key factors. These new boilers are compact

in size and offer the added flexibility of being able to fit in location with a limited amount of space – which even in a large project such as Belfast Met is a major advantage.

Two high performance hot water ACV HeatMaster units were also installed. ACV's unique tank-in-tank technology holds a volume of hot water for peak demand, combining the advantages of a hot water producer with integrated storage and of an instantaneous water heater, while avoiding the disadvantages of space, cost and efficiency.

Brian Harvey, Director, Harvey Group, doesn't need convincing about the qualities offered by C&F Quadrant and Buderus.

"We have worked extensively with C&F Quadrant in the past, so much so that the company has become one of our preferred suppliers," he said. "Not only are they reliable but they provide robust products and a very good after-sales service.

"For the Belfast Met project, the client wanted the latest technology in terms of high efficiency and flue emissions and the Buderus GB420 delivers exactly that."

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