

# BOILERS

## THE GUILDHALL



Buderus GE515 cast iron boilers from C&F Quadrant are supplying all the heat needed for the restored Guildhall.

TAILORED HEATING SOLUTION MEETS EXACTING NEEDS WITH BUDERUS AND RIELLO PRODUCTS ENSURING QUALITY...

## C&F Quadrant turns up the heat at the Guildhall

C&F Quadrant has a reputation for delivering tailored heating systems for commercial and industrial projects and that was again the case at the Guildhall.

One of the key aspects of this prestigious restoration project was creating a heating system that would meet varying needs of the iconic building and working with mechanical contractor, ERM Mechanical Services, Buderus GE515 cast iron boilers and Riello RS44MZ gas burners were supplied for the project.

Both the cascading boiler system and gas burners are installed in the Harbour Museum, a building across the street from the Guildhall. The heat is then transferred across the short distance via underground ducting to the Guildhall itself.

The Buderus GE series includes a robust range of EcoStream boilers constructed from special Buderus GL180 M grey cast iron which makes them extremely resistant

to corrosion and high temperatures. Each boiler in the range benefits from Thermostream technology which helps to protect against condensation as well as increase the system design options available to the heating engineer, with the GE range providing efficiency levels of up to 95% (NVC).

All boilers in the GE range are designed according to the three pass principle with a full-burn water cooled combustion chamber. This is enhanced with optimally configured heating surfaces and high grade thermal insulation that ensures efficient heat transfer and provides ideal conditions for low flue gas emissions. For installers, the compact boiler dimensions and easy maintenance and cleaning add to the advantages.

The Riello RS44MZ gas burners used at the Guildhall are from the RS burners series that covers a firing range from 81 to 2,290kW, and it has been designed for

use in hot or superheater water boilers, hot air or steam generators, diathermic oil boilers.

Optimisation of sound emissions is guaranteed by the use of fans with reverse curve blades and sound deadening material incorporated in the air suction circuit.

The elevated performance of the fans and combustion head, guarantee flexibility of use and excellent working at all firing rates and the exclusive design ensures reduced dimensions, simple use and maintenance. A wide range of accessories guarantees elevated working flexibility.

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(NI) Unit 15 Abbey Business Park, Mill Road, Newtownabbey, County Antrim BT36 7BA

T: +44 (0)28 9036 5555 - E: michaelc@cfquadrant.com

[www.cfquadrant.ie](http://www.cfquadrant.ie)

