

Case study 219

Prison complex kept functional

The Prison Service Instruction sets out the required arrangements for the management control of custodial facilities, and it is the responsibility of governors to ensure these standards are met. These certification methods range from monitoring operational capacities to guaranteeing each cell is deemed warm enough for use.

So when a jail in the Midlands encountered problems with seven of their boilers, Andrews Boiler Hire were tasked with supplying temporary equipment. A site engineer had conducted a check of existing boilers and decided that several of them no longer met the expected codes of practice. Failure to replace the faulty units would have meant that 450 inmates would need to be relocated elsewhere.

In order to avoid this scenario, an Andrews technician visited the premises and proposed a hire solution within 24 hours of the initial problem being reported. This included five 500kW boilers, two 100kW boilers, 3000 litre fuel tanks and a variety of accessories. Each affected boiler within the prison wings was then replaced by the temporary units connecting to existing flow and return pipework on the existing heating circuit.

The temporary boilers supplied hot water to the existing calorifiers meaning that domestic hot water and heating was restored. As had been necessary, our swift service helped prevent the rather unwanted situation of prisoners being moved elsewhere due to health and safety shortcomings. Instead, detainees remained where they were, and this was the desired outcome of the client prior to us becoming involved with the project.



Nominal heating duty 500kW
Power supply 415V 3ph 50Hz Run 10A
Plug type BS4343 5 pin 32A
Noise level 45dBA @ 10 metres
Weight 3,500kg
Dimensions (mm) 3000 x 2400 x 2600
Fuel type Gas oil/natural gas
Max fuel consumption 60l/h
LPHW connections 75mm (3") storz coupling
DHW connections 50mm (2") storz coupling
DHW recirculation connections 25mm (1") storz coupling
Natural gas connections 2" BSP coupling



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