

# Case study 218

## Student halls require hot water solution

At Andrews Boilers, we pride ourselves on keeping vital heating amenities connected even when potential hindrances arise. So when a university accommodation block's hot water system suffered as a result of a faltering district heating arrangement, a replacement was sought immediately to ensure hygienic standards continued to be met.

Our response to the issue was to install a 500kW packaged boiler on the site temporarily to ensure those living in halls of residence had access to hot water. This unit was accompanied by a fuel tank and cables, as well as Water Regulations Advisory Scheme-approved hoses. A regional expert visited the premises in the Leicestershire area in order to ascertain flow and duty calculations, allowing him to put forward the hire package in question.

Prior to completing installation, a scrupulous preparation process was undertaken to ensure all current and future requirements could be catered for via a single remedy.

Had we not provided a rapid solution, around twelve hundred students on campus would have been moved to alternative living quarters until the problem was addressed. As it was, normal service was restored quickly with only a small gap during the changeover period. Those staying in university housing were therefore largely unaware of presence and as such were able to go about their normal routines without enduring disruption.



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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