

Case study 458

Leading blood and transplantation service seek emergency cooling

When the leading provider of blood donations and transplant services across the UK suffered a chiller failure, an emergency cooling solution was needed to ensure the centre's maximum temperature requirements were not exceeded.

Our client keeps a large quantity of blood samples in storage and these needed to be kept at a temperature between 18-20 °C. The chiller system that maintains the temperatures in this centre completely failed which posed a huge risk to the quality of the blood stored.

Following a site survey, our solution was to install eight PAC 22 temporary air conditioners in the labs where the blood is stored. This was perfect for ensuring that temperatures were kept below 20°C, thus maintaining the integrity of the blood. Flexible hoses were run at ground level and ran out of pre-cut holes in the walls – which had been deliberately created beforehand in the event that disaster struck – with the condensers sited outside.

Our specialists provided the customer with a same-day service – assembling, PAT testing and delivering the equipment to site out of hours for an emergency install.

The customer was extremely pleased with the effectiveness of our air conditioning hire package which allowed potentially life-saving components to be stored at the desired temperature.



Nominal cooling duty 6.5kW
Air flow (max) 990m³/h
Typical cooled area 156m²
Power supply 230V 1ph 50Hz Run 7.3A
Noise level (max) 62 dba @ 3m
Indoor weight 122kg
Outdoor weight 20kg
Indoor dimensions (mm) 850 x 380 x 1,240
Outdoor dimensions (mm) 560 x 280 x 520
PAC line length 5 metres (max 30 metres)
Control Automatic thermostat
Average power consumption 2.0 kW/h
Optional cold air duct 2 x 200mm x 5m



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