



CASE STUDY

Andrews Chillers Keeps Sterile Centre Operating 24/7 After Cooling Failure

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Andrews Chillers Deliver Reliable Cooling for a Sterile Services Centre in the North

Maintaining precise temperature control is non-negotiable in sterilisation environments. Even minor fluctuations can put processes, compliance, and day-to-day operations at risk. So, when the cooling system at a busy Sterile Services Centre unexpectedly failed, the stakes were clear from the outset. Andrews Chillers engineers reacted immediately, assessing the site's specific requirements before arranging temporary chiller hire to restore stable conditions with minimal disruption.

The **250kW Fluid Chiller** was selected for its suitability for sterile services cooling, meeting the demands of a high-capacity, continuously operating critical environment:

- 250kW cooling capacity
- Reliable 24/7 operational capability
- Compatible with existing AHU systems
- Energy-efficient for sustained operation
- Robust design suited to demanding environments



250kW Fluid Chiller

1 CHALLENGE

Without consistent cooling being delivered to the AHU systems, stable internal conditions across this sensitive and highly regulated environment could not be guaranteed.

The sterilisation process depends on unwavering precision. Any lapse, however brief, risked disrupting critical workflows that the facility, and the people it serves, rely on around the clock.

What was needed was a fast chiller hire solution capable of integrating immediately without disrupting critical workflows.



2 SOLUTION

After a site assessment, our engineers implemented a temporary cooling solution: a **250kW Fluid Chiller**, designed for efficiency, resilience, and long-term reliability. This ensured the site could operate as normal despite the initial equipment failure.

The chiller was installed externally and configured to supply cold water directly to the site's AHUs. This ensured that the Sterile Services Centre maintained the precise temperature conditions required for safe and effective sterilisation.

Once operational, the system provided continuous cooling, running 24/7 to support the facility without interruption.



3 OUTCOME

The result was seamless. The Sterile Services Centre continued critical operations in full compliance with regulatory standards, allowing staff to remain focused on their work without disruption.

Initially installed as a temporary solution, the unit has now been on site for over a year, consistently delivering reliable performance. Its capability has exceeded expectations to the point that the client intends to match this specification for future requirements and will continue to rely on Andrews Chillers for all hire solutions going forward.



0800 211 611

Need help with temporary or emergency cooling solutions in your sector?

Andrews Chillers provides rapid-response cooling solutions designed to keep your operations running without interruption. Contact our team today!



Learn more



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Andrews Chillers offers rapid-response, wide variety of cooling hire to keep your operations running without interruption.



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