

# Aqua

The Temperature  
Control People.

## Temperature Control Equipment Rental



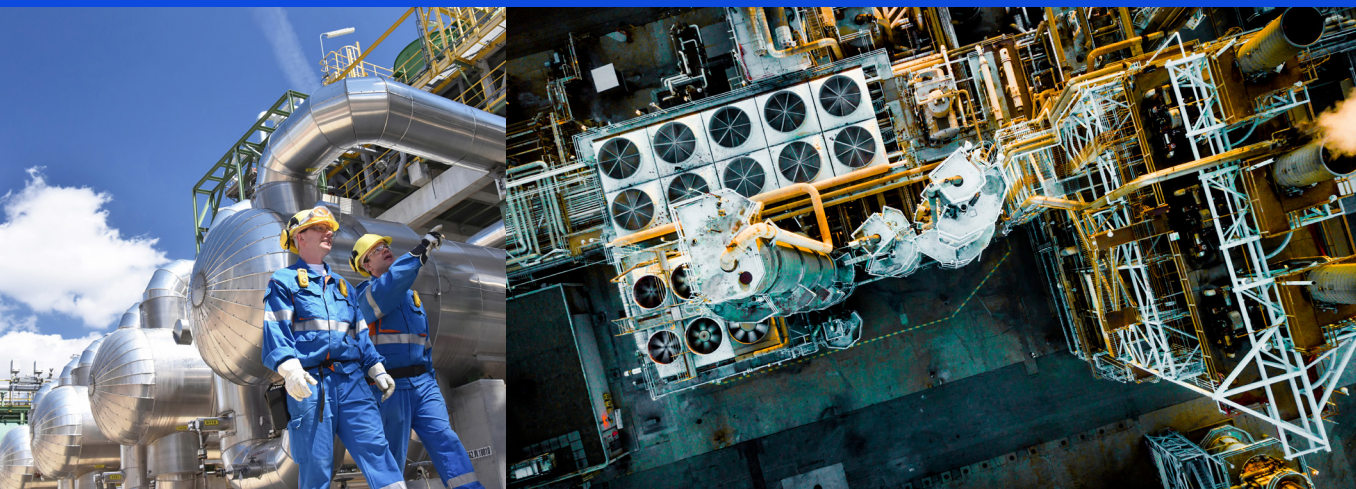


# Aqua

We have 20 plus years offering a specialist temperature control equipment service nationwide. We're a UK privately-owned business and owner-led too. Which means our customers benefit from a fully focused business aimed at delivering a great product and service offering. Reliable equipment, downtime prevention and a sustainable rental proposition.

## Unlike the Others

We like to think that our core values set us apart from the competition – excellence, care and can-do attitude. We work collaboratively with our clients and behave ethically and with integrity. Our team are engineering specialists, truly customer-focused and committed to delivering great value service. We understand our customers and the markets they're operating in, whether highly industrial and commercial, as well as being aware of the practical challenges and obstacles that exist in day-to-day operations.



Temporary cooling during tower outages



## Our Solutions

So, whether you're ramping up production due to seasonal demand, faced with an emergency due to failing equipment or undertaking R&D product testing, we can help you by offering the following equipment and services:

**Chillers**  
up to  
**760kW**

**Dry air and  
adiabatic  
coolers to  
500kW**

**Hot Water  
Boilers  
packaged  
up to  
560kW**

**Air handling units  
and fan coils  
capable of up to  
20,000  
m<sup>3</sup>/hr**

**Low  
temperature  
fan coils capable  
of offering  
temperatures down to  
-20°C**

**Plate heat  
exchangers  
offering non-ferrous  
food safe  
cooling circuits**

**Portable  
electric  
heaters and  
air conditioners**

**Electric  
mobile boilers  
up to  
40kW**

**Building & Distribution**  
Providing cooling during  
data suite refurbishment





Maintaining temperature to keep products in spec



MRI Scanner non-ferrous circuit cooling

## Aqua Rental Services Offering

**1** Week  
to **52** Weeks  
+

Need to rental a chiller for 1 week or for multiple weeks? Sometimes you don't know what the future brings and we fully understand that. That's why we won't ask you for a long commitment until you know what your plans are. When you do, we will give you a better rate for longer periods of hire. And, if you want a piece of kit for a year or two, we'll give you our best rates and pass on the cost-saving benefits of Aqua's long-term special hire deals.

**UK** Whole  
Supply

We offer a truly nationwide delivery service and engineers capable of seeing you quickly when you need it. We endeavour to get to you during the same or next day for every enquiry, so that you have an answer and quotation within a really good period of time. Helping you and your business to make a well-informed decision about what you do.

**20** Year +  
Experts

We are owner-led and privately owned. Our colleagues who visit you benefit from great internal support too. We want them to look after you and listen to what you and your team have to say. Tell us what you think and we will always do our best to match and better your expectations.

**75** Point  
Check

Every piece of our rental fleet goes through key tests before it is green-carded and ready for hire. All 75PC tests are recorded and archived to help us measure and manage our ongoing assessment of performance. Aqua's latest annualised figures show a 98.92% success rating.





### Quick & Safe Connectors

We'll supply and install the most resilient BSP, flanged, camlock and plug adaptors to ensure your rental equipment is up and running in a timely planned manner. Safe and secure.



### Small Footprint Equipment

In today's environment you want less disruption on site with heavy and large kit taking up space. Aqua's kit is without doubt the smallest footprint in the industry. Easy for lifting into position and cheaper to transport throughout the country.



### Full Maintenance Cover at No Extra Cost

We provide breakdown and fault-finding cover throughout the term of your hire with Aqua giving total assurance and support for your operation on site 24/7.



### Easy to Adjust Controls

Whether it's manual or remote monitored, Aqua's kit is uncomplicated and, with the help of our engineers, easy for your staff to monitor and maintain.



### Latest Energy Saving Technology

All our equipment is less than 1.5 years old and is designed to offer you the optimum electrical energy saving during operation by utilising the latest multi-scroll refrigeration technology, variable fan speed motors, three-way valve temperature controls and remote monitoring technology.



### Low Noise operation

The majority of our kit is contained within silenced enclosures and purpose-built for external operation and offer low dB performance. Aqua are also happy to offer super-silenced alternatives where there are local considerations needed to manage site specific demands.



### Minimum Environmental Impact

Aqua's chillers offer multi-scroll technology with low charge circuits and absolutely no CFC's and HCFC's, just HFC's which are zero ozone depleting and have a A1 safety rating from ASHRAE.



Production line: cooling the ambient air



## Aqua Contingency Services

Some sites need specialist services to protect the integrity and systems to prevent downtimes and outages. Aqua can offer the following contingency services:

**100%** N+1 Redundancy

Why wait until you have a breakdown? Aqua can install temporary pieces of kit fully installed and ready on standby to offer you a fast switch over of cooling, heating or temperature-controlled air.

Alternatively, this can be reserved at our depot and ring-fenced for you to call off within a 4hour period between your call and delivery to site. This would ensure that the exact kit you needed for your site would be available at all times.

## Ask for a Site-Specific Contingency Plan

Aqua offer all our customers a free site protection plan, including full RAMS and a commercial assessment, so that you and your clients are fully-prepared for any eventuality.

We can even help organise and offer advice on pre-emptive pipework stabblings so that these are carried out in advance as part of the contingency plan.



## Fully Trained Engineers and Resources

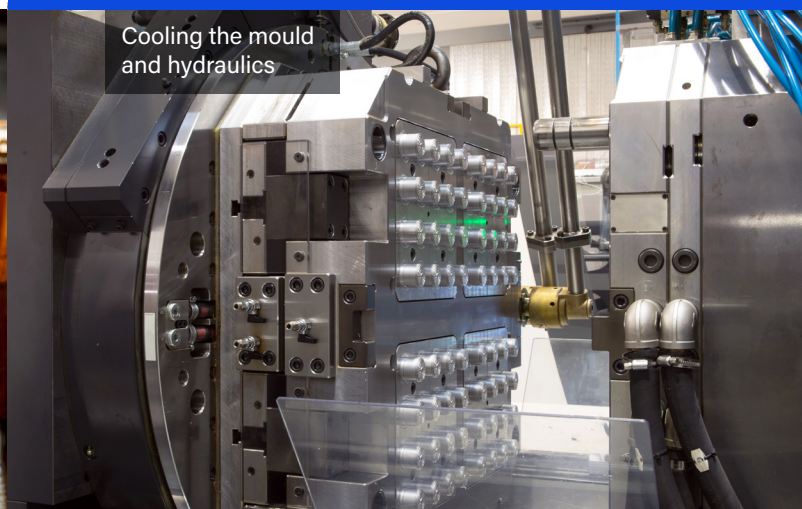
Some of our clients require experienced staff on site to monitor temporary systems out of hours or at weekends. We can offer resource to cover our equipment should your risk assessment see a gap in qualified staff to ensure maximum coverage at all times.

Preparation is key. Aqua are also prepared to take our staff through pre-planned site training and specific H&S courses to ensure we safely comply to any eventually.

Keeping the maltings store within a set temperature



Cooling the mould and hydraulics







Seasonal sub-zero -12°C cooling plant supply



## Delivery

A fully tracked and timed service, 24 hours a day, to suit your individual site requirements. Including flatbed, HIAB, and crane-assisted delivery choices. We never deliver curb side, leaving your staff to position our kit.



## Installation

Agreed with you beforehand. All our engineers carry full PPE and will manage work according to agreed RAMS and specific site H&S conditions. Where required, we provide F-Gas and Gas Safe accredited engineers.



## 24 Hour Support

All our Hire customers benefit from 24/7 helpline coverage and breakdown service. We also offer Remote Monitoring of equipment to help underpin our offering.



## On-site Management

Aqua staff can remain on site throughout the duration of your rental project to ensure you - or your client - has total cover.



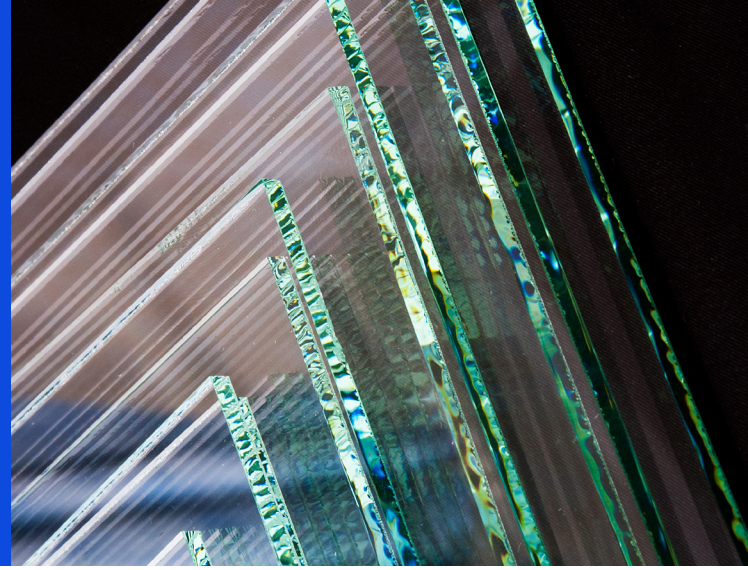
Keeping products cool during packaging



Temporary heating and cooling areas in the studio



## Temporary Cooling Solution Enables Guardian Glass to Continue Production During Plant Upgrade



Guardian Glass is part of Guardian Industries and one of the world's largest manufacturers of float, value-added and fabricated glass products and solutions, with 25 plants around the globe.

The high-performance glass is produced for architectural, residential, interior, transportation and technical glass applications. It can be found in some of the world's most iconic buildings, as well as in our homes, offices and modes of transport. Timed with existing furnaces nearing the end

of their lifecycle, an upgrade of the float glass production line at their site in the north of England, was planned to include a new float glass furnace with increased melting capacity and environmental performance.

Our Hire Director, Ben Davies explains how we supported the project with energy efficient and precise temporary cooling equipment – designed, installed and commissioned without interrupting their operation, while they awaited the arrival of new capital purchased equipment.



### Situation

**Part of the furnace upgrade included total replacement of their cooling towers which provide cooling to the furnace bath.**

The new capital equipment wasn't going to arrive on site for another 4 months, however the operation needed to continue during this period to fulfil production requirements and customer orders. Any disruption would have created huge financial implications.







## Solution

We were involved in a tender process about a year prior to the upgrade commencing. This enabled the team to plan for all the temporary cooling requirements to be designed, installed and commissioned within a 2-week shutdown period.

We specified and installed a system comprising of:

- **6 x adiabatic coolers** – achieving **3MW of cooling load**, each paired with a **22kW pump set**

The adiabatic coolers use ambient air to remove the heat from the cooling medium, aided by a powerful adiabatic spray system to maintain heat rejection performance in warmer ambient temperatures. When the ambient temperature goes above 22.5°C the adiabatic sprays kick in to help the coolers achieve the required 30°C setpoint. Even in a worst-case scenario of 30°C dry bulb ambient temperature, the units will still provide a stable supply temperature of 30°C to the process.

- **A bespoke 9000L buffer tank**
- **Around 1300M of flexible hose**
- **3 x bespoke 12" flange manifolds**

Due to the extremely high flow rates required for their system, the team fabricated and installed 3 x bespoke 12" flange manifolds to their various processes.

From this manifold, multiple 4" lines were run and carefully balanced using our rental double regulating valves. A single, large power source was also split down into smaller, motor rated feeds to adequately protect the rental equipment using our temporary power distribution equipment.

## Results

Our temporary adiabatic cooling equipment, installation and commissioning provided an energy and cost-efficient solution – bridging the gap between Guardian Glass' old cooling towers being removed and their new capital equipment being commissioned.

This enabled Guardian Glass to complete their major furnace and cooling tower capital investment project on time and to budget. The whole temporary project was completed during their 2-week shutdown period, so that production would not be affected.

We are currently the only temperature control company in the UK to offer adiabatic coolers as standard within our hire equipment range. It's important to us to be able to offer our customers these units due to the excellent energy and cost-efficiencies they deliver.

Being able to provide these units for this project as opposed to large screw compressor chillers, cooling towers or Dry Air Coolers has saved Guardian Glass from higher energy and operating costs, installing additional on-site power to cope with more power-hungry units, additional H&S obligations, risk of legionella or inadequate cooling over the summer months.



## Chiller Rental and HVAC Services

We can deliver air and water-cooled chillers with a wide choice of duties to help match your exact needs from single 1kW units to multi-megawatt packages. They can be supplied with suitably rated circulation pump arrangements, water buffer tanks, plate heat exchangers, water hoses and water connections such as flanges and BSP fittings. Full site installation can be provided where needed, together with full 24-hour maintenance cover throughout the rental period.



## Boilers, Temperature Controllers and Hot Water Supply

Aqua's boiler range include electrically-driven mobile units up to 40kW and larger world-leading Weishaupt and Viessmann hot water boilers up to 560kW single units. Both can produce process water and domestic hot water for heating and warm water applications from the same unit. Fuel tanks and fuel can also be provided along with fuel monitoring if needed. In addition to this, we also offer mobile Process Temperature Controllers for hire. They can be mobilised on the same day and delivered to you and your clients' premises for fast set up and commissioning.

## Air Blast Coolers and Free Cooling

We offer portable adiabatic and dry coolers for hire up to 500kW in single units and multiples thereof with very low energy use. All Aqua's free cooling units are fitted with 3-way valve arrangements to ensure the client receives a set process water temperature regardless of ambient conditions and heat load demand, providing accurate temperature control to process. We can also provide suitable water circulation hoses, fitting and pump arrangements to suit the application.





## Low Temperature Fan Coils

Aqua provide floor, racking or ceiling-mounted units capable of maintaining a sub 4°C temperature in a chilled storage environment.

All units are supplied with a remote thermostatic control to within 1°C of set point and a remote temperature monitored interface.

Aqua can hire individual fan coils up to 50kW duty rating and 20,000m<sup>3</sup> air flow, and multiple units, ready for immediate use with or without cooling plant.

All fan coils are supplied with a 3-way valve and defrost controls to help safely manage the temperature within store by way of a linked temperature probe.



These can be connected to Aqua's own hire chillers or the customers' own chilled glycol system. Aqua can provide hire chillers, glycol, circulating pumps and pipework where needed, should you require additional equipment to help supplement your own site capacity.



## Air Handling Units

You can hire Aqua AHU's for rooftop, in-room, ceiling and plantroom applications. These would include air filtration, variable airflow, remote monitoring and condensate removal. We can offer units ranging from 15kW to 150kW single units, and multiples thereof. Delivery, installation and daily maintenance can be provided on all our hire projects. Warm or cold air distribution and fan coils can also be managed by our specialist teams.

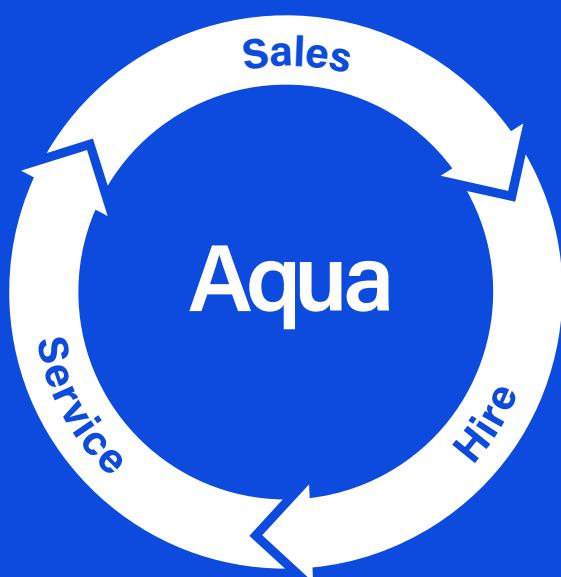
## Air Conditioners and Room Heating

The Aqua team can meet all temperature conditions and offer a full range of portable air conditioners and space heaters. The purpose of our hire team is to ensure that your business keeps running, minimising downtime and helping you plan for proper maintenance with quality solutions.

Our team completely install and deliver all equipment, from small single office air conditioners on short term hire, all the way through to major close-controlled warehouse distribution air conditioner units for long-term rental.







## Sales, Hire, Service. Nationwide Coverage, Local Presence.

Aqua are temperature control specialists, committed to designing & delivering market-leading solutions with a focus on energy efficiency, technical excellence and great customer service. Our Sales, Hire & Service divisions work together to offer a 360° approach.

With Engineers located across the UK, we deliver a local service with all the benefits you'd expect from a national company. Our Service Engineers are all F-Gas registered and Aqua are ISO 9001 and SafeContractor accredited.

Whether you're looking to purchase equipment, hire on a short or longer term basis, or needing support with service, maintenance & parts, we can help.

**Contact us today and discover the Aqua Difference.**



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