EUROCHILLER®
INTERNATIONAL COOLING

Eurochiller Cooling Solutions

Sales, Service & Spare Parts

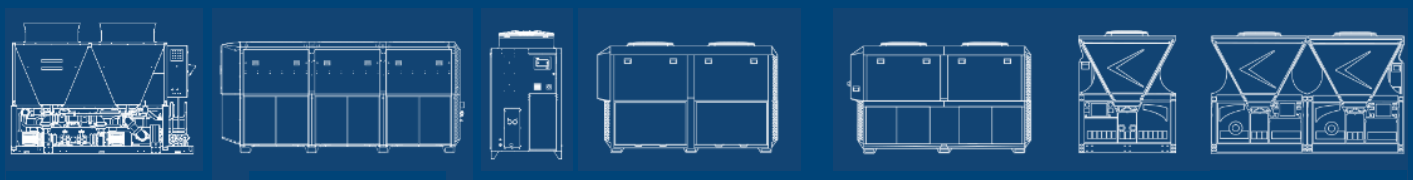
Eurochiller (formerly Isocool) is part of Atlas Copco's Process Cooling Solutions division. It has its head office in Hemel Hempstead, Herts. Regional branches in Uddingston, Scotland, Leigh, Liverpool & the North East, as well as a nationwide network of manufacturer-trained distributors, to ensure we can offer advice and support wherever you are.

The Home of Industrial Ideas

At Eurochiller UK part of Atlas Copco Compressors we team up with our customers to turn industrial ideas into smart connected air and gas solutions and leading edge compressed air, industrial gas and process cooling technology. Our passionate people, expertise and service bring sustainable value to industries everywhere. Atlas Copco is based in Stockholm, Sweden with customers in more than 180 countries and about 54,000 employees.

Eurochiller UK customer centre was opened in 1919. For over a century we have been supporting UK industry with everything from the smallest workshop compressor to purpose built packages for specialist applications - all with energy efficiency, reliability and lifetime value in mind. Our UK-based team of experts, including technical specialists, marketing professionals, and service engineers, are here to fulfil any process cooling needs.

Process Water Chillers



EVVS | AXPRO | GCevo | AXevo - AXevo-FC | ADXevo - ADXevo-FC | NAX | TFC

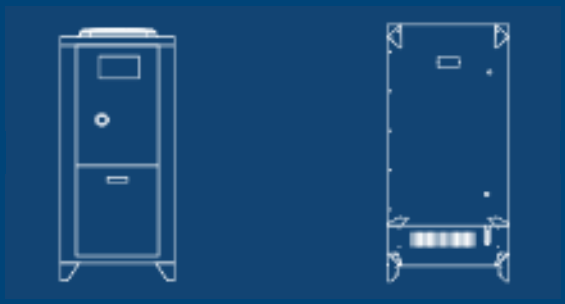
- **EVVS:** The EVVS offers unparalleled performance and uses a unique solution thanks to the choice of a more environmentally friendly gas.
- **AX Pro:** AX Pro is a process water chiller that integrates multiple energy-saving technologies to optimise consumption in both winter and summer seasons. Equipped with a robust design and the result of innovative technologies, Ax pro is a complete solution for process water cooling needs.
- **GCevo:** The GCevo series, natural evolution of the GC range, comprises of air cooled process water chillers with cooling capacity ranging from 4 to 122 kW. The range can be applied in the most diverse production areas and in this latest evolution it presents many functional advantages.
- **AXevo:** The AXevo line combines the latest technologies for high efficiency and reliability without compromising specific applications.
- **ADXevo:** The ADXevo line integrates into a single solution the latest technologies introduced by EuroChiller, providing high levels of efficiency and reliability without compromising the specific applications which contributed to the success of the previous AX line, and provides the basis of this new evolutionary series of process water chillers.
- **NAX:** NAX series consists of modular air or water cooled chillers developed thanks to the application of the most advanced refrigeration technologies of industrial processes. Efficiency, flexibility, and reliability are the main features.
- **TFC:** TFC units differ from traditional chillers by the addition of a finned air/water heat exchange battery (free-cooler), a 3-way water flow modulating valve, pressure transducers and temperature probes supplying data to a microprocessor with unique software which then governs the operating parameters of the system. By exploiting low ambient air temperatures to cool water circulating through the finned heat exchange battery (free cooler), cold water can be produced at minimal cost resulting in considerable energy savings.

DY-NAX | ADY-NAX | GRP – Pump/Tank Group

- **DY-Nax and ADY-Nax:** DY-Nax units are air cooled chillers which can be located outdoors without shelter.
- **GRP Pump & Tank System:** Process water chiller that can be constructed with one or more pumps, the size of the storage tank changes according to the system requirements.

Onboard Machine Thermocoolers

RossoBlu



ICEtemp

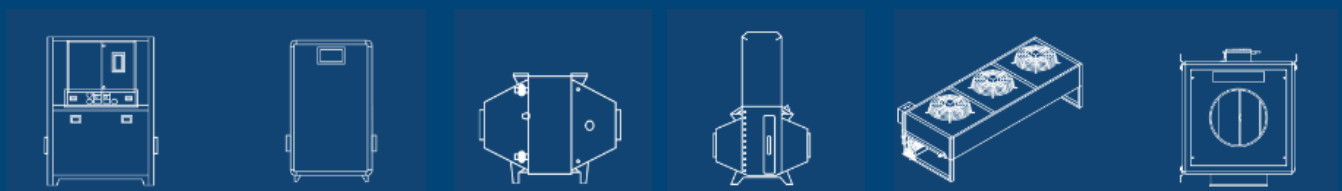
RossoBlu:

- A self-standing painted steel multi zone thermo chiller.
- Composed of a hybrid water chiller featuring a free-cooling section and adiabatic pre-cooling on the air inlet.
- Cooling capacity ranges from 77 kW to 320 kW.

ICEtemp:

- The ICEtemp line consists of water-cooled units to be placed beside the press allowing tight control of the temperature with +/- 0.1°C accuracy. The condensation of the ICEtemp is provided by an AD cooler which, thanks to the adiabatic technology, allows to reduce energy consumption thus respecting the environment.

Air Series Process Chillers



ABFevo Inverter | Mini ABF | BRA+ | AIR+ | OFC KIT | AIR MIX KIT

1. ABFevo Inverter:

- The ABFevo Inverter represents cutting-edge cooling technology for air blown film lines.
- It ensures precise temperature control (within +/-0.1°C) and optimises energy consumption.
- The INVERTER option allows intelligent cooling capacity control, enhancing efficiency.

2. Mini ABF:

- The Mini ABF is an air chiller designed for cooling blown film extrusion lines.
- It features a robust steel panel structure, efficient scroll compressors, and a multi-function microprocessor control panel with a 7" touch screen display.

3. BRA+: Cooling capacities of BRA+ air cooling batteries range from 2 to 169 kW. Constructed within a closed framework for maximum insulation and superior performance, the battery may be applied to several different processes including cooling of the bubble of blown film lines. Cold water for the battery is typically provided by a chiller.

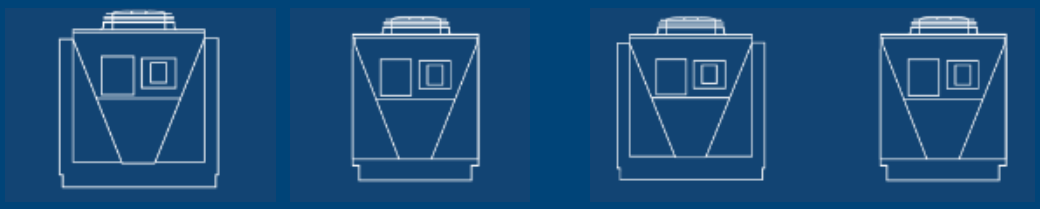
4. AIR+: AIR+ is an innovative technology designed for the cooling of air blown film lines. An evolution of the BRA+ range, the AIR+ is a stand-alone unit that produces cold air. It works by using the condensing water from a condensing kit or chiller at 15°C ÷35°C, and due to the unit employing the same technology featured in the ABF line, the AIR+ cools in a simple and direct way.

5. OFC Kit (Condensing Kit): The OFC Kit is a pre-assembled condensing kit for process air chillers.

6. Air Mix Kit: The purpose of the AIR MIX KIT function is that of exploiting, whenever this is possible, the temperature of the outside air to take advantage of a mixed air to be able to work without using a chiller: in this way the free-cooling function is activated and the compressors automatically stop, taking advantage of a free energy source but with a very strict control thanks to the technology developed by EUROCHILLER. This technology therefore allows a considerable reduction in energy consumption to the full advantage of cost.

These Eurochiller products cater to various needs in the field of cooling and temperature control for industrial processes.

Coolers



ADcooler KIT **Dcooler KIT** **ADcooler** **Dcooler**

1. ADCooler KIT:

- The ADCooler KIT Series is designed for cooling single or centralised installations under heavy working conditions.
- All models come equipped with inlet/outlet collectors and a water pump for easier installation.
- These coolers comply with European antilegionella regulations.

2. DCooler KIT:

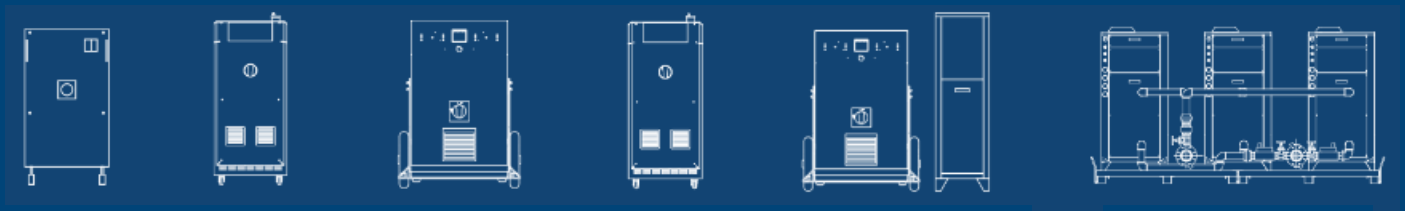
- The DCooler KIT Series is also designed for cooling single or centralised installations under demanding conditions.
- Like the ADCooler KIT, these models include inlet/outlet collectors and a water pump for ease of installation.

3. ADcooler:

- ADcooler is an adiabatic dry-cooler with a cooling capacity of 82/1220 kW.
- Self-draining versions are also available.

In summary, Eurochiller's cooling solutions cater to various needs, from heavy-duty applications to compliance with safety regulations.

Thermoregulators



Starty | Maxy | 3FLOWSevo | 3FLEX | ETW | Special Units

Starty: A water and oil temperature control unit with heating power ranging from 3 to 24 kW. It can handle water temperatures up to 140°C.

Maxy: A self standing thermoregulator that handles temperatures of 90 degrees celcius.

3FLOWSevo: A water temperature control unit designed for process applications. It offers precise temperature control up to +140°C.

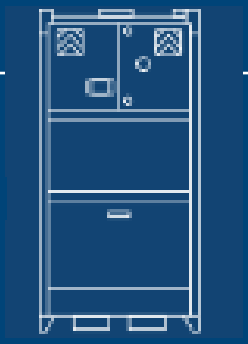
3Flex: A water and oil temperature control unit with heating power ranging from 3 to 12 kW. It can handle water temperatures up to 160°C.

ETW: A water and oil temperature control unit with heating power ranging from 3 to 150 kW. It can handle water temperatures between 90-140°C.

Eurochiller also offers the capability to **manufacture special units upon request**. If you have unique requirements, feel free to enquire about customised solutions.

Process Air Dehumidifier

EU-DRYmould



The **EU-DRYmould** process air dehumidifier by **Eurochiller** is designed to prevent condensation formation on the surface of injection and blow moulds. Here are the key points about this innovative system:

Purpose: The EU-DRYmould dehumidifier is specifically used in industrial processes where maintaining optimal humidity levels is critical. It ensures that moulds used in injection molding and blow molding remain dry, preventing any adverse effects caused by condensation.

How It Works: The EU-DRYmould utilises the concept of **absorbent Rotary Wheel Dryers**. This technology involves a rotating wheel that continuously introduces dry desiccant into the process air. By doing so, it effectively removes excess moisture, preventing condensation on the mould surfaces.

Benefits

- **Condensation Prevention:** The primary purpose of the EU-DRYmould is to avoid condensation, which can lead to defects in molded products.
- **Energy Efficiency:** Unlike traditional methods, this system minimises energy consumption by efficiently utilising the rotating wheel mechanism.
- **Improved Mould Lifespan:** Dry moulds are less prone to corrosion and other damage, resulting in longer mould lifespans.
- **Enhanced Product Quality:** By maintaining consistent humidity levels, the EU-DRYmould contributes to better product quality and reduced rejection rates.

In summary, the EU-DRYmould process air dehumidifier plays a crucial role in ensuring optimal conditions for mould-based manufacturing processes, ultimately leading to better product outcomes and cost savings.

Process Filtration

Eurochiller serves the filtration and purification needs of customers in food & beverage, microelectronics, pharmaceutical, cosmetics and chemical industries by offering a high-quality range of filter bags, cartridges and housings.

Whether they are edible liquids such as wine, beer, cider, bottled water, soft drinks and milk, non-edible liquids like process water, alcohols, solvents, inks, resins and oils, or gases such as compressed air, carbon dioxide, nitrogen and others, we have the solution for you.

Genuine Parts and Maintenance

When it comes to process cooling equipment, using genuine Eurochiller parts is essential. These parts are meticulously designed, produced, and rigorously tested to meet the same exacting standards as our products. Here's why they matter:

Reliability and Performance: Genuine parts ensure the reliability and performance you expect from your cooling system. They have passed the same endurance tests as our equipment, providing peace of mind for your investment.

Extended Lifespan: By choosing authentic Eurochiller parts, you extend the lifespan of your cooling equipment. These components are specifically engineered for optimal performance, minimising downtime and maximising efficiency.

Energy Efficiency: Genuine function-specific parts contribute to energy efficiency. They maintain the system's integrity, preventing unnecessary energy losses due to subpar components.

Service Plans: Explore our portfolio of service plans tailored for process cooling systems. These plans ensure continuous operation, allowing you to plan, budget, and control your maintenance programme effectively.

Universal Service: Whether you have an Eurochiller chiller or any other brand, we offer spare parts and service. Our skilled technicians can handle rotating equipment in the utility room, ensuring smooth operation.

Installation and Pipework

Eurochiller Process Cooling offers end-to-end solutions for designing, installing, and managing industrial cooling projects. Our expertise spans from conceptual design to system installation, ensuring seamless integration into your production environment. Our dedicated project management team oversees every step, from initial planning to final commissioning. Whether it's a customised cooling system or a turnkey solution, we deliver reliability, efficiency, and peace of mind for your critical processes.

Health Checks, Audits and Leak Detection

Eurochiller Process Cooling provides comprehensive services for chiller refrigeration systems, ensuring optimal performance and cost savings:

Free #chillerCheck:

- Our expert engineers conduct thorough assessments of your chiller system.
- We identify areas for improvement, efficiency enhancements, and potential energy savings.
- No upfront cost–just valuable insights to enhance your system's health.

Energy Efficiency Audit:

- Dive deeper into your chiller's energy usage.
- We analyse data, pinpoint inefficiencies, and recommend tailored solutions.
- By optimising energy consumption, you'll see significant cost reductions.

Leak Detection:

- Air or refrigerant leaks can be costly and harmful to the environment.
- Our ultrasonic leak detection technology identifies leaks accurately.
- We provide actionable recommendations to fix leaks promptly.

In summary, Eurochiller Process Cooling ensures your chiller system operates efficiently, saves money, and adheres to best practices. Contact us for a healthier, more cost-effective cooling solution.

Connectivity and Optimisation

As energy consumption can represent a large percentage cost of your chiller operation, Eurochiller Connectivity and Optimisation services can help to balance your consumption and maximise efficiency.

Our connectivity system gathers, compares and analyses data on the fly. When needed, it sends out warnings in time, allowing you to carefully plan and prepare service interventions. It provides you with the transparency you need to intelligently assess system performance.

EUROCHILLER®
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