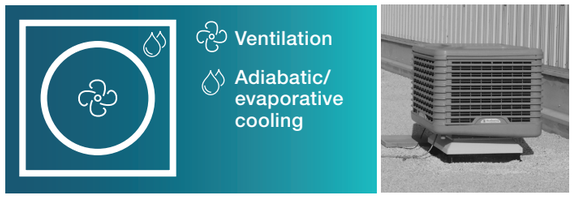
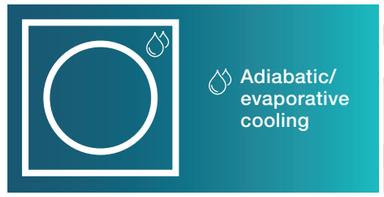
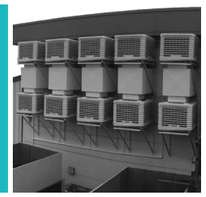
Our External Range

External EcoCooler - (ECP) / (ECP Large)



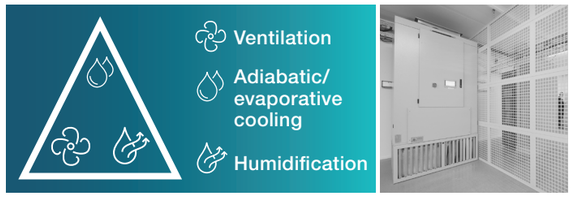
EcoCooler WetBox - (ECPWB) / (ECPWB Large)





Our Internal Range

ECT CloudCooler - 10800 and 5400 models



The ECT range of CloudCoolers is ideal for climates where there is occasional hot, dry weather such as Europe.

Consisting of the ECT 10800 for high density HPC equipment and the ECT 5400, ideal for smaller server rooms as an all-in one solution that can fit through a single door.

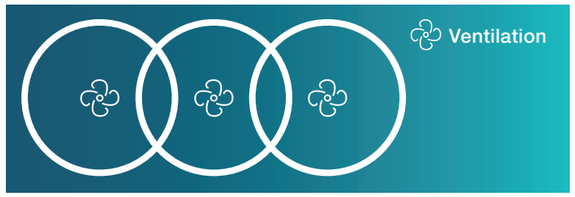
ECV CloudCooler - 18000 mode

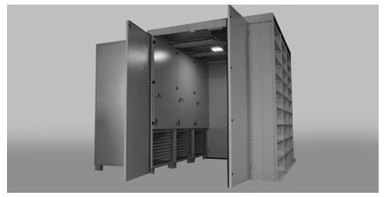
The ECV 18000 model is ideal for cold climates where temperatures rarely exceed 25C such as northern Europe.

The unit automatically mixes cold, filtered, external air with hot recirculated air to deliver a set-point temperature for a variety of equipment with unparalleled efficiency.

Our Rack, Power and Cooling Solutions

‘3 CloudCooler Group’ module





3x ECV 18000
Custom Racking
PDUs for 250kW
CREC Control
EU4 Filtration
Construct in < 2hrs

HPC Data Container

Redeployable
High Density
Large Deployment
CREC Control
EU4 Filtration

EcoCooling
FRESH AIR COOLING

Innovators in Direct Fresh Air and Adiabatic Solutions

+44 (0)1284 810 586

www.ecocooling.co.uk

Free Cooling

Adiabatic Cooling

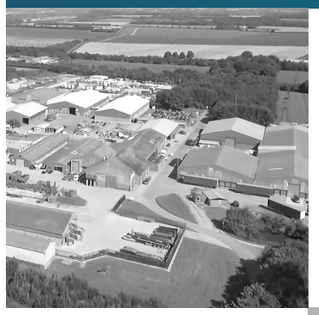
CREC Control

CloudCooler®

Manufacturers of external EcoCoolers and the CloudCooler range of ‘low total cost’ cooling solutions for IT infrastructure.

www.cloudcooler.co.uk

EcoCooling
FRESH AIR COOLING



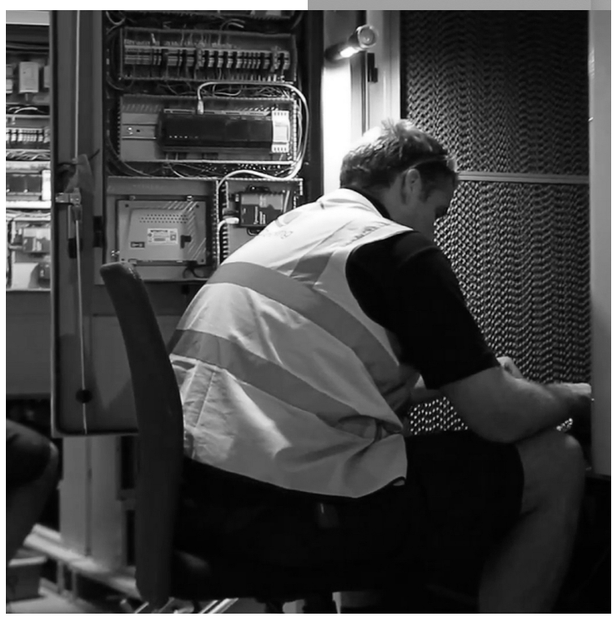
Who are we?

Formed in 2002, EcoCooling are one of the largest manufacturers of fresh air-cooling systems in Europe. EcoCoolers are considered an energy efficient, green alternative to refrigeration-based air conditioning and currently operate in over 1000 facilities worldwide including 450 data centre and telco installations.

The manufacturing and development facility is based in Bury St Edmunds, Suffolk, where in 2018, we were producing over 5MW of cooling equipment per week for large scale HPC data centres.

“Our mission is to save the UK 1% of it’s electricity cost. That’s the equivalent of a power station!”

CloudCooler®
by EcoCooling
FRESH AIR COOLING



Research & Development
Working with clients to improve systems

Working with a variety of innovative end users has allowed EcoCooling to develop cutting edge fresh air solutions for the data centre market. The resulting Plug & Play CloudCooler range has been engineered to be a low total cost of ownership solution for data centre operators.

More than just a cooling company

As our fresh air cooling hardware solutions have evolved, so too has our control philosophy. Our Computer Room Evaporative Cooling (CREC) control system has been honed over the past decade to reflect the unique control requirements of our cooling systems and fulfil the demands of their users.

In addition, users wanting more than just a cooling system can opt for one of our bespoke housing offerings, providing simple, Plug & Play infrastructure solutions for the latest IT applications.

The ‘3 CloudCooler® group’ module with integrated rack, power distribution, filtration and cooling has been developed for the rapid deployment of HPC equipment. Our containerised offering offers clients a flexible, portable data centre solution.

No refrigerants, no compressors, no stress

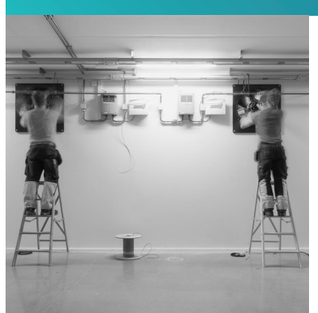
EcoCooling adiabatic solutions operate as part of a balanced mechanical ventilation system. For the majority of the time, units can operate in free cooling mode. It is only on the hottest days when adiabatic cooling is used to maintain desired supply temperatures.

The only energy required for free cooling is for the fans to drive the air. Adiabatic cooling is a completely natural process, lowering air temperature by evaporating water into the air stream. This results in a cooling effect similar to that of a sea breeze.

Optional humidification is available for very cold, low humidity conditions such as the Nordics; a region favoured for high density IT deployments.

“Hydro66 had a very clear vision on how we could bring a new model to colocation. We were fortunate to discover EcoCooling who were able to exceed our expectations. Not only in terms of pure efficiency of their equipment, but more importantly their desire and capability to enhance their solutions to our specific use case.”

ALEX CHIOLO, OPERATIONS DIRECTOR, HYDRO66



- Maintain temps of below 25C all year round in most European countries
- Simple installation and maintenance
- Ventilation system plus adiabatic cooling
- Design and build in-house. CAD to trial unit in less than 3 months
- 5kW to 50MW – we’ve worked with clients to supply equipment for all facility sizes
- Award winning energy efficient products
- Scalable production facility

An EcoCooling system typically consumes just 10% of the operational energy of a standard refrigerant-based cooling system and typically at 60% of the capital cost.

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