
ALTHERMO

About us

We firmly believe that the ongoing commitment of each individual can help **make our future "greener"** and the planet a better place to live for everyone. So, we try to do our part by making specific choices without resorting to compromises.

We want to design and produce machines which **exceed current overall efficiency standards and focus on all innovations** in terms of materials, types of paint coatings, electronic controls and monitoring systems for our devices.

Every Althermo device is designed, not only with product efficiency in mind, but also taking into account the **overall efficiency** of the system in which it will be installed.

We are in the North East of Italy, a historical area for the manufacture of heat exchangers, and we offer a **totally innovative way of considering and approaching the international market**.

Dry Coolers

Althermo liquid coolers have been designed and built in a **modular system** to fulfil any installation and application requirement. The frame components are made of galvanised steel, powder coated with a coverage of 80 microns, guaranteeing C4 corrosion resistance. All the fastening elements are in AISI 304 grade stainless steel.

The coils are built with the most suitable shape, tube diameter and fin pitch for the specific configurations, so that each device can achieve **maximum power** per unit volume and occupied surface.

In addition to the ranges in the catalogue, **non-standard size** equipment can also be supplied, such as dry coolers operating at extreme operating temperatures (ambient temperature up to 40 °C and fluid input temperatures up to 90 °C).

DMR

Round Modular Dry Cooler

The highest expression of energy efficiency on the market. Thanks to its distinctive shape, it can draw air in from all around and can be installed very close to walls reducing by 75% the installation area of the dry cooler.

Cooling capacity: from 30 to 2300 kW
Fan diameter: 800 and 910 mm
Number of fans: from 1 to 20

DMI

Modular Intellibatic Dry Cooler

The only modular Dry Cooler on the market which can be transported by standard lorry or container and can be installed in sections and assembled on-site. It's powered by INTELLIBATIC, the smart adiabatic system by Althermo.

Cooling capacity: from 50 to 1500 kW
Fan diameter: 800 and 910 mm
Number of fans: from 1 to 22

DGV

Great V-Shape Dry Cooler

This V-shape guarantees the greatest power and its structure is highly resistant during transportation and installation. Provided with EEP to optimize size and maximize protection, it can be easily inspected to allow maintenance and cleaning actions.

Cooling capacity: from 160 to 2060 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20

DIV

Intermediate V-Shape Dry Cooler

The Intermediate model ensures a good compromise between power, ease of installation and maintenance. Internal accessibility is guaranteed by the wide doors located on the manifold side.

Cooling capacity: from 140 to 1680 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20

DSV

Small V-Shape Dry Cooler

The main feature of the Small model is its size which makes it suitable for low visual impact installations. With a maximum height of 2085 mm and a single row of fans, it guarantees the highest power for its category in minimum space.

Cooling capacity: from 70 to 1040 kW
Fan diameter: 800 and 910 mm
Number of fans: from 1 to 10

DVH

Table Dry Cooler

The Table Dry Cooler has a very wide power range and the HV bi-flow design means the same device can be installed both with vertical air flow and horizontal air flow. This feature gives the designer greater flexibility in his project layout.

Cooling capacity: from 10 to 1460 kW
Fan diameter: 630, 800 and 910 mm
Number of fans: from 1 to 16

Remote Condensers

Althermo remote condensers are ideal for use in the **industrial air conditioning** sector, as well as **industrial and commercial refrigeration**. The frame components are made of galvanised steel, powder coated with a coverage of 80 microns, guaranteeing C4 corrosion resistance. All the fastening elements are in AISI 304 grade stainless steel.

The finned coils are built with the most suitable shape, tube diameter and fin pitch, depending on the configurations, so that each device can achieve **maximum powe**r per unit of volume and occupied surface.

The modular frame models and the round condensers use microchannel technology for the coils which maximise the power and **reduce the cooling load by 70%**..

CMR

Round Modular Remote Condenser

Thanks to its innovative configuration, the CMR allows incomparable installation flexibility. Plus, it can draw air in from all around and can be installed very close to walls reducing by 75% the installation area of the condenser.

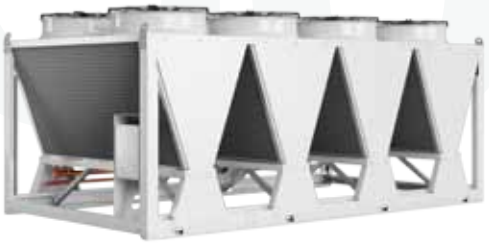
Cooling capacity: from 30 to 2300 kW
Fan diameter: 800 and 910 mm
Number of fans: from 1 to 20

CMI

Modular Intellibatic Remote Condenser

The only modular condenser on the market which can be transported by standard lorry or container and can be installed in sections and assembled on-site. It's powered by INTELLIBATIC, the smart adiabatic system by Althermo.

Cooling capacity: from 120 to 2300 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20



CMV

Modular Remote Condenser

Built to the EMI concept, it can be installed in sections and assembled on-site. This means enormous benefits in terms of logistics and installation costs. The CMV system also allows you to expand the power of the device by adding sections later.

Cooling capacity: from 100 to 2000 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20

CGV

Great V-Shape Remote Condenser

Great power, high resistance during transport and installation. Thanks to EEP, it can be easily inspected to allow maintenance and cleaning actions.

Cooling capacity: from 190 to 2300 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20

CIV

Intermediate V-Shape Remote Condenser

The Intermediate model is configured for transportation by standard lorry or container and is a good compromise of power and ease of installation.

Cooling capacity: from 110 to 1600 kW
Fan diameter: 800 and 910 mm
Number of fans: from 2 to 20

CSV

Small V-Shape Remote Condenser

With a maximum height of 2085 mm and a single row of fans, it guarantees high power in minimum space.

Cooling capacity: from 45 to 960 kW
Fan diameter: 800 and 910 mm

CVH

Table Remote Condenser

It has a very wide power range and it can be installed both with vertical air flow and horizontal air flow. This feature gives the designer greater flexibility.

Cooling capacity: from 10 to 1450 kW
Fan diameter: 630, 800 and 910 mm
Number of fans: from 1 to 16

That's

smart!


Exclusive
technologies

EMI DESIGN
The design philosophy behind the creation of modular machines that can be transported on standard size trucks, lifted onto the roof and easily positioned in the location site with standard load-bearing equipment.

INTELLIBATIC
The smart adiabatic system designed by Althermo which integrates the pads system with an innovative management software, so it can “independently decides” the most efficient configuration based on the actual environmental conditions.

EEP
The EEP innovative construction system allows you to position the electrical panel inside a compartment within the machine frame. All the electrical components thus benefit from added protection from atmospheric conditions and the overall dimensions of the machine is decreased by at least 400 mm.

EC FANS
The main features of these fans are compactness, low noise level and exceptional efficiency. The variable speed drive fans react continuously to load variations ensuring maximum efficiency especially at partial loads.

ELECTROFIN®
A factory-applied electro-deposition coating process that guarantees complete heat exchanger coverage. The coil is immersed in a bath. Here the coil acts as a magnet and attracts the coating to every surface. The result is a thin, flexible, durable, corrosion-resistant coating.

AOP SYSTEM
This system allows you to automatically exclude adiabatic panels from the flow of incoming air when the relative humidity conditions and the room temperature do not make it efficient to work in adiabatic mode.

SELECTOOL
A selection software developed by Althermo, together with the Department of Information Engineering of the University of Padua. Thanks to the Selectool, you can select the unit that most suits to the specific requirements and simulate precisely the energy consumption.


A few
of our
latest
projects

PLACE	MODEL	kW	DESCRIPTION	N.
Bellinzona (Switzerland)	DVH E 0103A3 L EC	97	Table dry cooler	1
Arlesheim (Switzerland)	DVH G 0104A3Q EC LT	51.8	Table dry cooler	1
Wieszowa (Poland)	CMV D 040808AVH EC	509.6	Modular remote condenser	2
Italy	DMI F 081616B4 HE C	747.2	Modular Intellibatic dry cooler	6
Moscow (Russia)	CVH I 22B4 Q AC	142.8	Table remote condenser	1
Moscow (Russia)	CVH I 0205A4 H AC	812	Table remote condenser	4
Italy	CMR D 010101ATQ EC	24.44	Round modular remote condenser	2
Italy	CMR D010101BTH EC	50.07	Round modular remote condenser	1
Italy	CMR D 010101ATQ EC	51	Round modular remote condenser	2
Italy	CMR D 010101ATQ ZC	19.21	Round modular remote condenser	2
Italy	CMR D 010101ATQ ZC	24.02	Round modular remote condenser	2
Bulgaria	DVH I 0202B6H EC	279.5	Table dry cooler	1
Bellinzona (Switzerland)	DVH H 0103A6 HE	196.3	Table dry cooler	2
Poland	DSV E 0106A4H AC	401	Small V-shape dry cooler	1
Barcelona (Spain)	CMR D 0101BT HE	129.6	Round modular remote condenser	1
Australia	DMI F 091818B4 HE	1350	Modular Intellibatic dry cooler	2
Denmark	CMR D 020606ATL EC	300	Round modular remote condenser	6
Switzerland	DMR D 010101BTH EC	213	Round modular dry cooler	1
Norway	DVH G 0102A3LECU PG	129	Table dry cooler	1
Norway	DVH E 0105A6H EC	260	Table dry cooler	1
Kaunas (Lithuania)	DMR D 010101ATQZ QU	36.75	Round modular dry cooler	1
Moscow (Russia)	DGV E 0208B6H AC	1141	Great V-Shape dry cooler	4
Moscow (Russia)	DGV E 0207B6H AC	984	Great V-Shape dry cooler	2
Moscow (Russia)	CMV D 061212AVH AC	694	Modular remote condenser	2
Moscow (Russia)	CVH I 0205A4H AC	555	Table remote condenser	2
Moscow (Russia)	CMV D 081616AVH AC	925	Modular remote condenser	2
Moscow (Russia)	CMV D 061212AVH AC	694	Modular remote condenser	2


ALTHERMO

Althermo is a new company in the world of industrial heat sinks for the air conditioning, refrigeration, process cooling and industrial cooling markets. With its production site in the north east of Italy, a historical area for the manufacture of heat exchangers, the company offers a totally innovative way of considering and approaching the international market.

For more info:

www.althermo.com

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