

ECO™ heat transfer coolers



SAFE
EFFICIENT
RELIABLE
INNOVATIVE

A2L solutions

for a complete range of applications



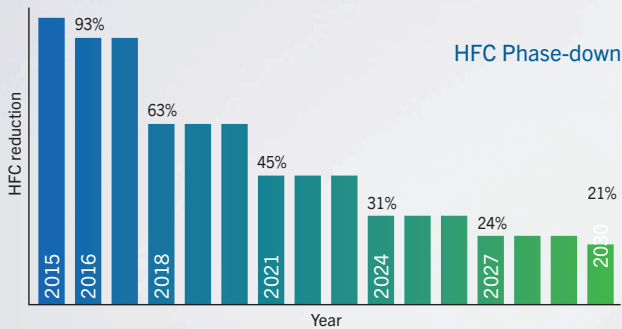
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A2L solutions

for a complete range of applications



In order to actively address the adverse consequences of climate change, the European Commission has launched an action plan to support a more sustainable and efficient economy.

The EU's program covers all major economic sectors, including the refrigeration industry with the F-gas Regulation (EU - No. 517/2014) which aims to drastically reduce emissions from hydrofluorocarbons (HFCs) with high GWP (Global Warming Potential).

The F-gas Regulation calls for the gradual phasing out of HFCs.

Modine has been taking all the necessary steps to comply with this significant change thanks to new technologies and the development of innovative products.

The F-GAS regulation is guiding us on this path.

A2L refrigerants are one of these new options, as they have a low GWP, but they must be employed responsibly as they are mildly flammable.

To safely exploit this technology, we have developed a range of unit coolers that benefit from reliable standard components and an electric defrosting system specifically conceived to ensure maximum operational safety.

Our new A2L units have been designed based on some of our most popular unit cooler ranges, developed for a comprehensive range of applications and types of installation.



Our product portfolio includes wall mounted unit coolers that can be used in refrigerated cabinets, refrigerated display cases and small cold rooms; cubic unit coolers to be used in cold rooms for the preservation of fresh and frozen products; dual discharge unit coolers for low height cold rooms and for processing/work areas; slanted unit coolers that allow you to optimize the storage space and bespoke unit cooler models for applications where a reduced air circulation is required.

Our units are equipped with new generation high efficiency heat exchangers made with aluminium fins and special copper tubes.

Thanks to new concept heat exchangers the latest guidelines that regulate the reduction of greenhouse effect refrigerants have been met.

The new type heat exchangers have been designed with particular geometries and a smaller internal volume, which results in a significant reduction of circulating refrigerant.

Important

The design, the construction and the operation of the refrigeration system in which the unit will be installed must comply with the requirements and criteria indicated in the EN 378 standard.

The safety requirements for the use of A1 and A2L refrigerants must adhere to the provisions of EN 378 standard and the safety data sheets of the fluid used.

It is very important to devise and plan specific procedures in the event of an emergency on the system, for example, install a fault warning system to prevent damages to people and property.

Read more on
www.modinecoolers.com

"A2L refrigerants are one of the new options with low GWP. To safely use A2L refrigerants, we have designed a new range of unit coolers that benefit from highly reliable standard components and a dedicated electrical defrost system that can operate below the A2L autoignition temperature"

ECO™ heat transfer coolers

MODINE®

**Wall unit coolers
for cabinets and small cold rooms**

- Fan motors: diameter 230 mm
- Fin spacing: 3,5/7 mm
- 5 customizable models
- Capacity R1234yf: from 0,49 to 2,42 kW
- Capacity R454C: from 0,45 to 2,21 kW

AP



**Cubic unit coolers
for commercial cold rooms**

- Fan motors: diameter 250, 315 or 350 mm
- Fin spacing: 4, 6 or 8 mm
- 57 customizable models
- Capacity R1234yf: from 0,93 to 15,06 kW
- Capacity R454C: from 0,85 to 13,8 kW

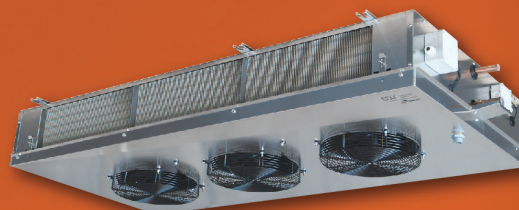
AGC



**Dual discharge unit coolers
for work rooms and commercial cold rooms**

- Fan motors: diameter 230, 315 or 350 mm
- Fin spacing: 3, 4, 4,5/9 or 7 mm
- 50 customizable models
- Capacity R1234yf: from 0,52 to 16,16 kW
- Capacity R454C: from 0,48 to 14,82 kW

AGD



**Slanted unit coolers
for cabinets and commercial cold rooms**

- Fan motors: diameter 200, 250 or 315 mm
- Fin spacing: 3,5/7, 4,5/9, 4 or 7 mm
- 46 customizable models
- Capacity R1234yf: from 0,33 to 7,17 kW
- Capacity R454C: from 0,3 to 6,57 kW

AGS



**Dual discharge unit coolers
for work rooms and cold rooms
in which reduced air circulation is required**

- Fan motors: diameter 250 or 315 mm
- Fin spacing: 5 mm
- 5 customizable models
- Capacity R1234yf: from 2,71 to 7 kW
- Capacity R454C: from 2,49 to 6,42 kW

AGL



Scelte

SELECTION SOFTWARE

**ACCURATE
RELIABLE
QUICK
EASY
UPDATED!**

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About Modine

Modine specializes in thermal management systems and components, bringing highly engineered heating and cooling components, original equipment products, and systems to diversified global markets through its four complementary segments: BHVAC, CIS, HDE, and Automotive. Modine is a global company headquartered in Racine, Wisconsin (USA), with operations in North America, South America, Europe and Asia.

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