ENGLISH

ECO™ heat transfer coolers

MODINE®

A2L

UNIT COOLERS

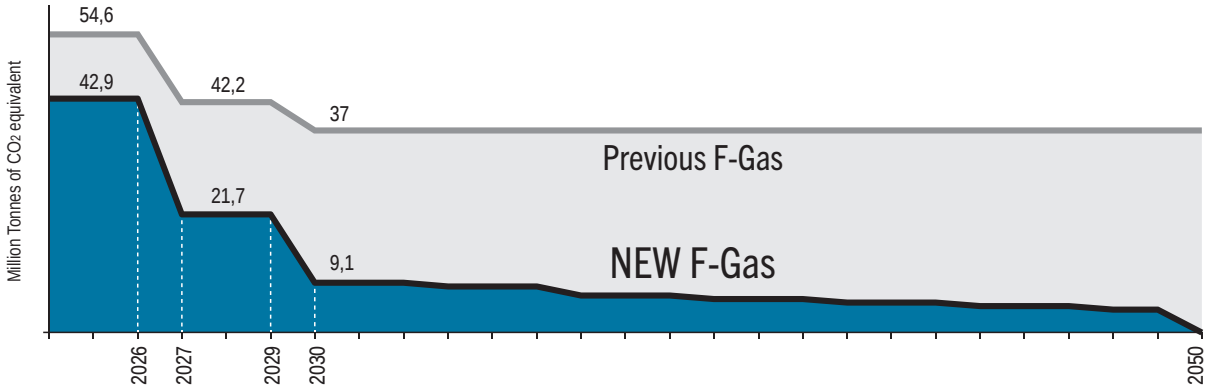
MODINE

Engineering a Cleaner, Healthier World

A2L COOLERS



HFC phase down



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 to this significant change thanks to new technologies and the development 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 benefits 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 of 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.

Accepted A2L refrigerants: R455A, R454C, R1234yf and R1234ze

Wall unit coolers for cabinets and small cold rooms

- Fan motors diameter: 230 mm
- 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

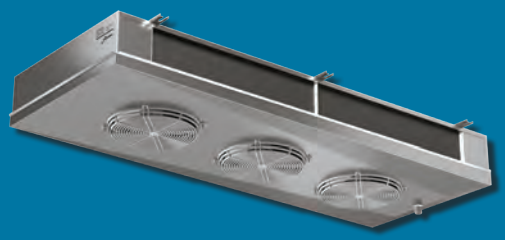
- Fan motors diameter: from 250 to 350 mm
- Capacity R1234yf: from 0,93 to 15,06 kW
- Capacity R454C: from 0,85 to 13,8 kW



ACG

Dual discharge unit coolers for work and commercial cold rooms

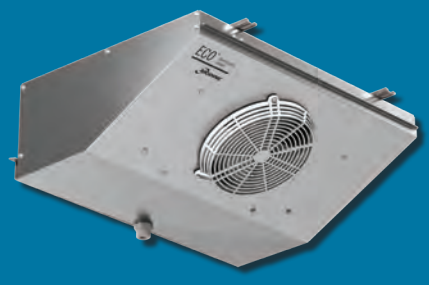
- Fan motors diameter: form 230 to 350 mm
- Capacity R1234yf: from 0,52 to 16,16 kW
- Capacity R454C: from 0,48 to 14,82 kW



AGD

Slanted unit coolers for cabinets and commercial cold rooms

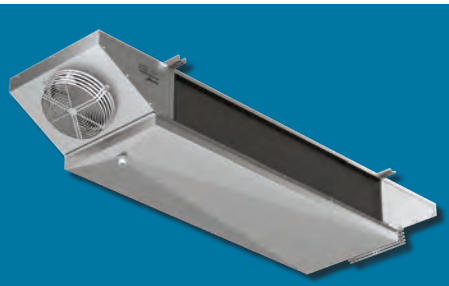
- Fan motors diameter: from 200 to 315 mm
- Capacity R1234yf: from 0,33 to 7,17 kW
- Capacity R454C: from 0,3 to 6,57 kW



AGS

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

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



AGL

Scelte SELECTION SOFTWARE

www.modineselect.com

50 YEARS
OF ECO BRAND

The F-Gas regulation is leading us
towards the elimination of high GWP refrigerants.

A2L refrigerants are among the new alternatives,
but their use requires great responsibility
due to their mild flammability.

To utilize their potential safely, we have developed a new
range of unit coolers that benefit from reliable standard
components and a dedicated electric defrost system
capable of operating at temperatures
below the autoignition point of A2L refrigerants.

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Modine Manufacturing Company

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F-GAS READY

ErP 2015

2 YEARS GUARANTEE

www.modinecoolers.com