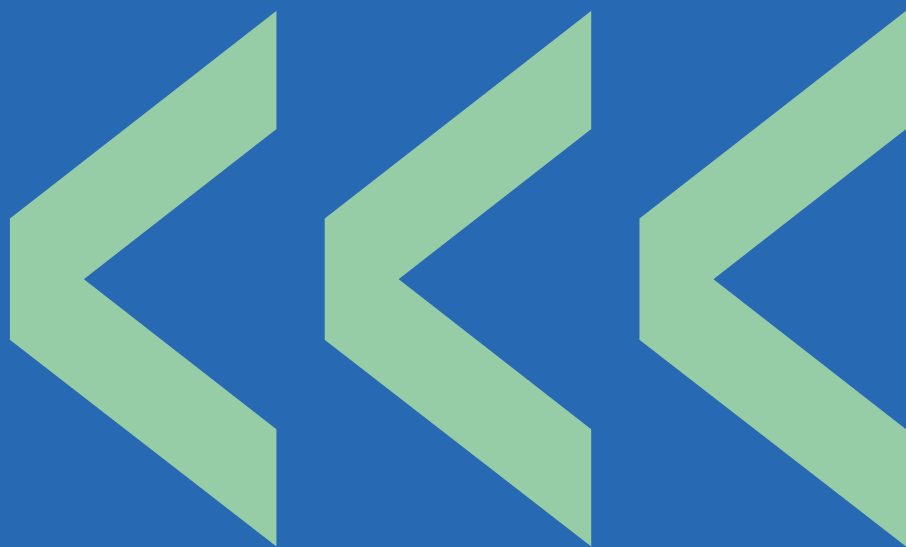


F-GAS 573/2024

IMPORTANT INFORMATION FOR MACHINE MANUFACTURERS

Commercial communication on the new
REG. F-GAS (EU)
n.573/2024



FLUID COOLERS

FOR MACHINE MANUFACTURERS

For **Metal**-processing machines, for **packing** machines for the **pharmaceutical** and **chemical industry**, **printing** machines, for **wood**-processing machines, **laser** cutting machines, **food-industry**, **plastic** and **glass**-processing machines, for **tobacco**-processing machines, **welding**, high frequency **electronic equipment**.

Dear Customers,

having kept a close eye on the entire process of the changes between associations and the EU trilogue over the last two years, we would like to bring to your attention the publication of the **new F-Gas (EU) Regulation no. 573/2024 of February 7 2024**, published in the **OJ.EU of February 20 2024** in final draft approved by the EU Parliament on January 16 2024. The Regulation **came into force 20 days after publication in the OJ.EU and repealed the previous F-Gas (EU) Regulation no. 517/2014.**

The new Regulation, available for consultation in various EU languages and formats at the link for the **Regulation - 517/2014 - EN - EUR-Lex (europa.eu)**, applies to the fluorinated greenhouse gases listed in the documents Annex I (HFCs, PFCs and other perfluorinated compounds and fluorinated nitriles), Annex II (unsaturated hydro(chloro)fluorocarbons and other fluorinated substances) and Annex III (ethers, ketones and other fluorinated compounds), on their own or as mixtures containing these substances.

It also applies to products and equipment, and parts thereof, that contain fluorinated greenhouse gases or whose operation is dependent on such gases.

* **REGULATION (EU) No. 573/2024 INCLUDES:**

new provisions on the containment, use, recovery, recycling, reclamation and destruction of fluorinated greenhouse gases and on related ancillary measures, such as extended producer responsibility schemes, certification and training, which includes the safe handling of fluorinated greenhouse gases and of alternative substances that are not fluorinated; conditions on the production, import, export, placing on the market, subsequent supply and use of fluorinated greenhouse gases, and of specific products and equipment containing fluorinated greenhouse gases or whose functioning relies upon those gases; conditions on specific uses of fluorinated greenhouse gases; quantitative limits for the placing on the market of **hydrofluorocarbons**; rules on reporting and collection of emission data.

* **THE NEW F-GAS REGULATION FOR EURO COLD PRODUCTS**

This is the content translated into English of point (7), Annex IV of the new F-Gas Regulation with regard to our main product, namely fluid coolers / STATIONARY CHILLERS.

Note: 'Chiller' means a single system whose sole function is to cool a heat transfer fluid (such as water, glycol, brine or CO₂) for refrigeration, process, preservation or human comfort purposes.

* **REFRIGERATORI (CHILLERS) PER REFRIGERAZIONE, PROCESSO, CONSERVAZIONE E HUMAN COMFORT (A/C):**

Chillers with rated power up to 12 kW inclusive

- a) Prohibition on the use of HFCs with GWP of 2500 or more, with the exception of equipment intended for applications designed to cool products to temperatures below – 50°C from **1 January 2020**;
- b) prohibition on the use of fluorinated gases such as HFCs and HFOs with GWP ≥ 150 from **1 January 2027** (except when required and necessary to meet safety standards);
- c) prohibition on the use of any fluorinated gases such as HFCs and HFOs from **1 January 2032** (except when required and necessary to meet safety standards).

Chillers with rated power above 12 kW

d) prohibition on the use of fluorinated gases with GWP > 750 such as HFCs and HFOs from **1 January 2027** (except when required and necessary to meet safety standards).

* THE LIST OF REFRIGERANT GASES WE USE IS GIVEN BELOW

Refrigerant gas	Classification	GWP	Time limit for use
R407C	HFC*	1774	31-12-2026
R410A	HFC*	2088	31-12-2026
R134A	HFC*	1430	31-12-2026
R452A	HFO**	2141	31-12-2026

*HFC = hydrofluorocarbons **HFO = hydrofluoroolefins

Note

As indicated, the obligation to use new low GWP refrigerant gases is for equipment manufactured since 1 January 2027. All equipment produced before that date, containing the current refrigerant gases, may be freely installed and used within the European Community, without any restriction and/or limitation.

* CONCLUSIONS

Like any manufacturer of refrigeration equipment, we have always paid the utmost attention to compliance with the current regulations on the subject, mainly in Europe, in order to meet the needs of our customers, aware that the final destination of our products is predominantly worldwide. There are several projects that we have been developing for several years now, which can be summed up in two main families:

1. Refrigerators running on low-impact GWP refrigerant gases, today clearly traceable.
2. Passive cooling systems, on-board machine solutions with ZERO impact.

For several years now, we have been providing our customers with product ranges designed for this purpose. In addition to other ranges currently being developed, one of these is the water/water exchangers, SCW series (http://www.eurocold.it/uploads/allegati/SCW_EN24-1.pdf).

Given the ever-changing scenario of the refrigerant substances permitted and the clarifications that will gradually become available for the correct application of the new EU F-Gas Regulation 573/2024, please feel free to contact **Euro Cold** at any time for further information about the use of our products with HFC and HFO refrigerants or their mixtures.



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