F-GAS

GRADUAL REDUCTION OF FLUORINATED GASES

Regulation (EU) 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases

AERMEC

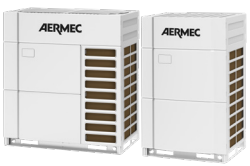
New European rules on fluorinated gases

The **EU Regulation on fluorinated gases** aims to reduce the use of **HFCs** and promote more sustainable refrigerants with a low environmental impact.

The new version, in force since **11 March 2024**, strengthens Europe's commitment to the fight against climate change.

With this brochure, Aermec provides an overview of the new **Regulation (EU) 2024/573 on the use of fluorinated refrigerants** for the European market, to support you on the path towards a more sustainable and safer future.

CALENDAR of fluids authorised for future equ

	Type	Range	2024	2025	2026	2027
  **Heat pumps and chillers**	Self Contained (Heat pumps)	≤ 12 kW				
		> 12 kW ≤ 50 kW				
		> 50 kW				
	Chiller	≤ 12 kW				
		> 12 kW				
 **Split and VRF**	Split A/A	≤ 12 kW		GWP 750 for monosplit systems with refrig		
	Split A/W	≤ 12 kW				
	Split VRF	> 12 kW				

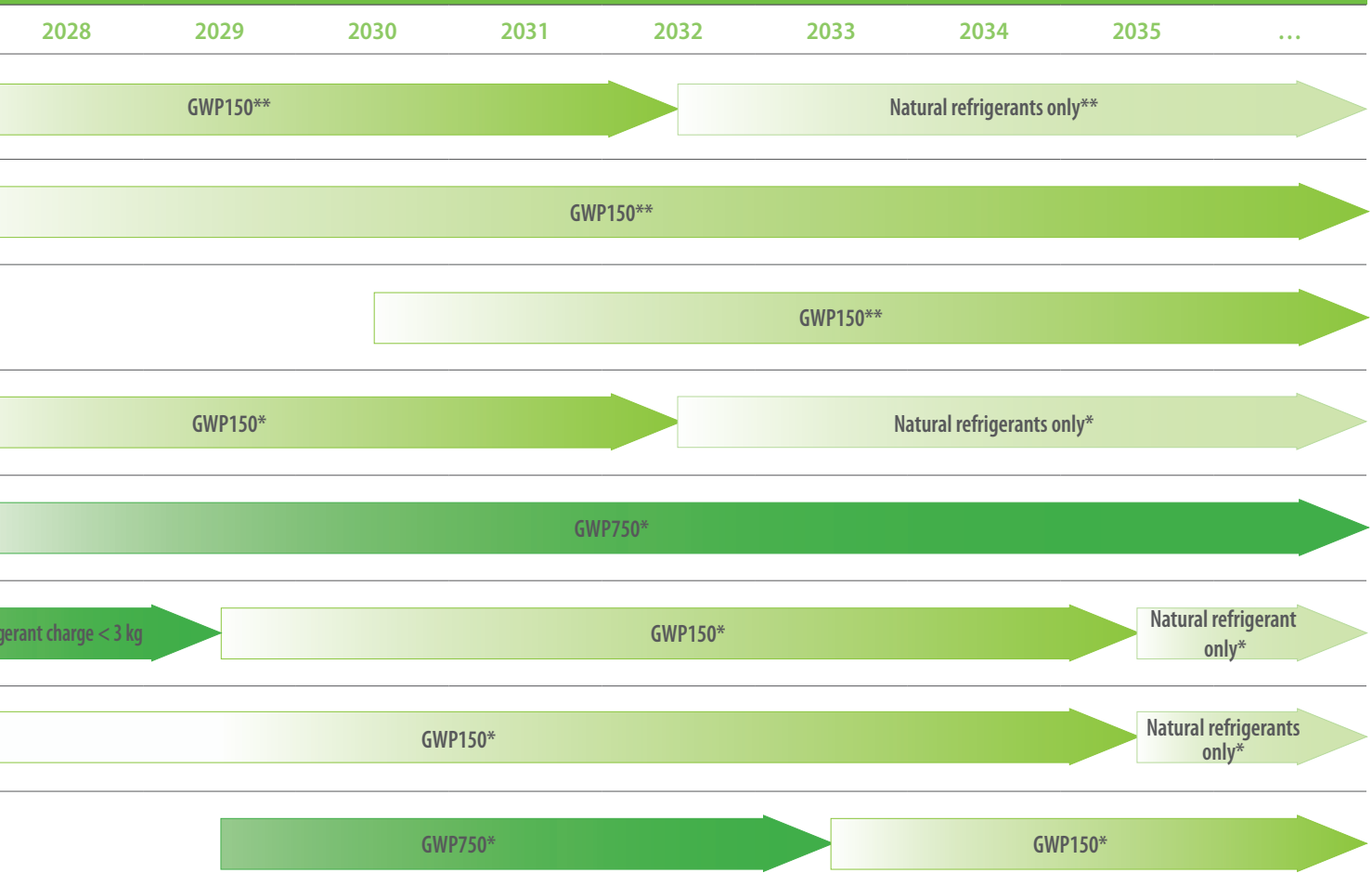
Reduction of HFCs: the 2025–2050 EU Plan

As of **2025**, **a more stringent phase-down pathway** for quotas of fluorinated gases, expressed in tonnes of CO_2 equivalent, placed on the European market has entered into force, with the aim of achieving **a gradual phase-out of HFCs by 2050**.

The plan provides for a **mid-term review in 2030**, to assess the results obtained and update the measures based on technological and environmental developments.

The regulation introduces **more restrictive limits for the GWP (Global Warming Potential) value** for certain categories of equipment, in order to further reduce the climate impact of the utilised refrigerants.

uipment imported into the market from 2024



* *except as necessary to comply with the safety requirements at the site of operation*

** *if the safety requirements at the site of operation do not permit compliance with the ban, the GWP limit is 750*

A gradual and more rigorous path

From 2025, a more severe reduction of HFCs will begin, until their gradual elimination by 2050, with a review of the path planned in 2030.

A concrete step towards increasingly sustainable solutions.

Sustainability

There are **stricter GWP limits** for some types of products, with the aim of promoting the use of refrigerants with a lower environmental impact.

Continuity

Products already installed may continue to be used normally and may remain in operation throughout their entire service life.

Maintenance and repair of products

Restrictions on certain refrigerants apply only when they are contained in new equipment subject to a ban. The same refrigerants will remain available on the market for the maintenance and repair of existing equipment.

Products on the market

All affected equipment already placed on the market before the start of the ban (by wholesalers or installers) may still be sold.

Exception

If for safety reasons it is not possible to install a compliant system, **exemptions may be granted.**

Assistance

Aermec spare parts and technical assistance are guaranteed for the entire service life of the products.

	Family	GWP (1)	Class
R410A	HFC	2088	A1
R32	HFC	675	A2L
R134a	HFC	1430	A1
R1234yf	HFO	0,501	A2L
R1234ze(E)	HFO	1,37	A2L
R513A	HFC+HFO	630	A1
R454B	HFC+HFO	466	A2L
R454C	HFC+HFO	146	A2L
R717 (Ammonia)	Natural	0	B2L
R744 (CO_2)	Natural	1	A1
R290 (Propane)	Natural	0,02	A3
R600a (Isobutane)	Natural	0	A3

(1): *pursuant to Regulation (EU) 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases.*

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