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AHT F-Gas Update 2024

Commercial Refrigeration

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F-Gas Regulation – Timeline

The F-GAS Regulation (EU) 2024/573 aims to regulate the use of fluorinated gases and reduce their emissions.

The following is an overview of the main events in the legislative process:



On 5th October 2023, a preliminary consent was achieved.

The regulation (EU) 2024/573 was published in February 2024 in the journal and set into force on 11th March 2024.

Main Elements of the F-Gas Regulation

The changes planned by the EU to reduce fluorinated gases (F-Gases) include stricter measures from 2025 with a complete phase-out by 2050. Product, service and export bans as well as extended certificates, labelling and leakage checks.

The main components of the F-Gas Regulation are listed again below:



HFK Phase down

Stricter phase down from 2025 onwards.
Total exit until 2050 (can be revised before 2040).



Product ban

Most likely there will be a ban or limit for certain F-Gases in different timelines



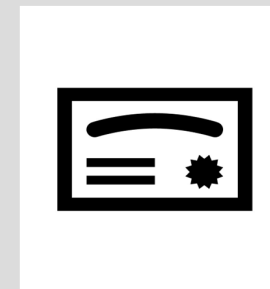
Service ban

Under certain circumstances it is possible to maintain existing systems.



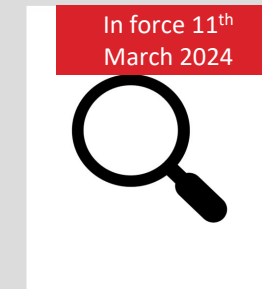
Export bans

After a product usage ban in the EU the same GWP1000 limit is applicable for exports.



Certificates

F-Gas certification is being extended to HFOs and non-fluorinated refrigerants.



Leak checks

The requirements for leak testing are extended to HFOs and the scope of the products is expanded.



Labelling

The labeling requirement is now extended to HFOs. New GWP values will lead to new labeling for some product groups.

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New F-Gas Regulation – product bans

Commercial Refrigeration

Until July 2027 the commission should publish a report on alternative refrigerants for transport refrigeration.

2023 next evaluation

Product groups commercial refrigeration	Final Result														
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	ab 2036
Ban on placing on the market commercial refrigeration and freezers	GWP150 for HFKW			GWP150											
Ban on placing on the market closed commercial refrigeration systems				GWP150 for all refrigerants – with safety exceptions											
Ban on placing stationary commercial refrigeration systems on the market *				GWP2500 for all refrigerants*					GWP150 – with safety exceptions						
Ban on commercially used composite (multipack) refrigeration systems with an output >40kW	GWP150 – with exceptions for the primary cooling circuit of cascade systems (GWP1500)														
Ban on placing transport refrigeration devices on the market	No ban on placing transport refrigeration devices on the market														

Attention:
That this is about placing new devices on the market. Devices that were already put into operation before the date listed may continue to be used.

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New F-Gas Regulation – service bans

Commercial Refrigeration

Maintenance and servicing of existing systems with current refrigerants is possible throughout the life of the products, either with new, recycled or remanufactured refrigerant.

Service ban for refrigerants with a GWP higher than		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	from 2036
Commer- cial Products*	New Refrigerant	GWP 2500 Since 2020 there is a limit for systems > 40 tons CO2 equivalent (from 2025 onwards for all systems)							GWP 750 For stationary refrigeration systems except for chillers				
	Processed or recycled refrigerants	No service ban					GWP2500						
AC & heat pumps	New Refrigerant	No service ban	GWP 2500										
	Processed or recycled refrigerants	No service ban							GWP 2500				

*For systems except for units for product cooling of temperatures below -50°C

F-GAS Regulation – next steps



Adjustments and future plan of F-Gas regulation:

_Adjustments legal acts:

Existing legal acts (e.g. on training and certification, reporting, labeling, etc.) need to be amended and new legal acts developed. The Commission emphasized that work on minimum training and certification requirements is a priority.

_Several review clauses will be included in the legislation:

- › The Commission is due to publish a report on alternative refrigerants for transport refrigeration by July 2027.
- › An assessment of the feasibility of the product bans proposed after 2030 is required by 2030.
- › It must be examined by 2040 whether it is possible to phase out the use of HFCs by 2050.

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FUTURE PROOF WITH AHT



Already now, AHT completely fulfills all F-Gas regulations.

By choosing AHT products and systems, you are on the safe side.