

Prohibitions on the placing on the market of new refrigeration appliances

- Regulation EU2024/573 always refers to the 4th greenhouse gas emission limit for HFCs IPCC Assessment Report (AR4).
- The bans do not apply to devices manufactured before the respective ban date according to EU2024/573 (see following Tables 1-3) were put into operation.
- Safety exceptions: In case of safety restrictions, alternative refrigerants can still be used.

Table 1: Split air conditioning systems and refrigerant split heat pumps

2030: next review

Product group: Split air conditioning systems & refrigerant split heat pumps		Final result											
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	from 2036
Ban on placing on the market of split air conditioning systems & refrigerant split heat pumps ≤ 12 kW	single splits with < 3 kg filling quantity	GWP750 for single splits < 3 kg*											
	GWP150 A/A splits					GWP150 with security exceptions							
	GWP150 A/W Splits			GWP150 with security exceptions									
	F-gas all splits											F-gas ban with security exceptions	
Ban on placing on the market of split air conditioning systems & refrigerant split heat pumps > 12 kW		GWP750 for single splits < 3 kg*											
					GWP750 - for all systems with security exceptions								
										GWP150 with security exceptions			

Table 2: Monoblock, hydrosplit heat pumps and chillers

2030: next review

Product group: Monoblock, hydrosplit heat pumps & chillers		Final result												
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	from 2036	
Ban on placing on the market of monoblock & hydrosplit heat pumps	≤ 12 kW			GWP150 with security exceptions										
	> 12 kW ≤ 50 kW			GWP150 with security exceptions										
	> 50 kW						GWP150 with security exceptions							
Ban on placing on the market of chillers	≤ 12 kW			GWP150 with security exceptions										
	> 12 kW			GWP750 with security exceptions										

*except for devices for cooling products to temperatures below -50°C

Table 3: Commercial refrigeration

By July 2027, the Commission is to present a report on alternative refrigerants for transport refrigeration 2030: next review

Product groups of commercial refrigeration	Final result														
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	from 2036
Ban on placing on the market of commercial refrigerators & freezers	GWP150 for HFC			GWP150											
Ban on placing on the market of closed comm. refrigeration systems									GWP150 for all refrigerants - with security exceptions						
Ban on placing on the market of stationary comm. refrigeration systems					GWP2500 for all refrigerants*				GWP150 with security exceptions						
Ban of comm. used Multipack refrigeration systems with a capacity of > 40 kW	GWP150 with exemption for the primary cooling circuit of cascade systems (GWP1500)														
Ban on placing on the market of transport refrigeration equipment	No ban on placing transport refrigeration equipment on the market														

Maintenance and service

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

Service bans for refrigerants with GWP greater than		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	from 2036	
Commercial refrigeration systems*	New refrigerant	GWP2500 <small>Since 2020, this limit has already applied to plants emitting 40 t CO₂ eq. or more. From 2025, this GWP limit will apply to all plants.</small>							GWP750 <small>for stationary refrigeration systems with the exception of chillers</small>					
	reprocessed or recycled refrigerant	No service ban					GWP2500							
Air conditioning and heat pumps	New refrigerant	No service ban	GWP2500											
	reprocessed or recycled refrigerant	No service ban								GWP2500				

Phase down

From 2025, significantly lower CO₂eq quotas will be available, which will be gradually reduced and will end in a phase-out for HFCs in 2050. The F-Gas Regulation plans the following reduction steps for HFCs:

Years	Maximum HFC quota in tonnes CO ₂ eq
2025 - 2026	42 874 410
2027 - 2029	21 665 691
2030 - 2032	9 132 097
2033 - 2035	8 445 713
2036 - 2038	6 782 265
2039 - 2041	9 136 732
2042 - 2044	5 491 199
2045 - 2047	4 845 666
2048 - 2049	4 200 133
from 2050	0

- Applies only to new HFC refrigerants and their mixtures
- Remanufactured and recycled refrigerants are not affected
- HFO refrigerants are not covered by this phase-down regulation

The quotas from Regulation EU 517/2014 will still apply for 2024. Previously exempt sectors such as MDI gases (medical metered dose sprays) will be included in the quotas in the future.

*except for devices for cooling products to temperatures below -50°C