

What is Being Regulated? When?



**RESTRICTED SYSTEMS BY
SECTOR AND SUBSECTOR**

REFRIGERATION EQUIPMENT



System Restrictions

Refrigeration, Air Conditioning, and Heat Pumps – Restricted Systems by Sector and Subsector Table*

Subsector	Product	GWP Limit or Prohibited Substances	Manufacture and Import Compliance Date ⁵
Cold storage warehouses	With 200 or more lbs. refrigerant charge, excluding high temperature side of cascade system	150	January 1, 2026
Cold storage warehouses	With less than 200 lbs. refrigerant charge	300	January 1, 2026
Cold storage warehouses	High temperature side of cascade system	300	January 1, 2026
Retail food – supermarkets	With 200 or more lbs. refrigerant charge, excluding high temperature side of cascade system	150	January 1, 2027
Retail food – supermarkets	With less than 200 lbs. refrigerant charge	300	January 1, 2027
Retail food – supermarkets	High temperature side of cascade systems	300	January 1, 2027

*These tables are for informational purposes only and should not be relied on for compliance purposes. Please refer to 40 CFR Part 82, Subpart B for full details.

Footnotes and comments:

1. Sale, distribution, and export of these products is prohibited three years after the manufacture and import compliance date.
2. See regulatory text for specific types of aerosol products subject to the later compliance date. Excludes metered dose inhalers using HFC-134a or HFC-227ea or defense sprays using HFC-134a as a propellant.
3. Includes blown foam, products incorporating blown foam, and pre-blended polyol products. Excludes composite structural preformed polyurethane foam for trailer use and for marine use.
4. New products only; does not apply to equipment that is operational during transport.
5. EPA is restricting the installation of new field-assembled systems. Components used to repair existing systems are not subject to these restrictions.



System Restrictions

Refrigeration, Air Conditioning, and Heat Pumps – Restricted Systems by Sector and Subsector Table*

Subsector	Product	GWP Limit or Prohibited Substances	Manufacture and Import Compliance Date ⁵
Retail food - remote condensing units	With 200 or more lbs. refrigerant charge, excluding high temperature side of cascade system	150	January 1, 2026
Retail food - remote condensing units	With less than 200 lbs. refrigerant charge	300	January 1, 2026
Retail food - remote condensing units	High temperature side of cascade system	300	January 1, 2026
Retail food – remote refrigerated food processing and dispensing equipment	Retail food – remote refrigerated food processing and dispensing equipment	R-402A, R-402B, R-404A, R-407A, R-407B, R-407C, R-407F, R-407H, R-408A, R-410A, R-410B, R-411A, R-411B, R-417A, R-417C, R-420A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-427A, R-428A, R-434A, R-437A, R-438A, R-507A, HFC-134a, HFC-227ea, R-125/290/134a/600a (55/1/42.5/1.5), RB-276, RS-24 (2002 formulation), RS-44 (2003 formulation), GHG-X5, Freeze 12	January 1, 2027
Remote automatic commercial ice machines	Remote automatic commercial ice machines	R-402A, R-402B, R-404A, R-407B, R-408A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-428A, R-434A, R-438A, R-507A, R-125/290/134a/600a (55/1/42.5/1.5), RS-44 (2003 formulation), GHG-X5	January 1, 2027

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Subsector	Product	GWP Limit or Prohibited Substances	Manufacture and Import Compliance Date ⁵
Chillers (as a stand-alone product)	Industrial process refrigeration with exiting fluid below -50 °C (-58 °F)	Not covered	Not covered
Chillers	Industrial process refrigeration with exiting fluid greater than or equal to -50 °C (-58 °F) to -30 °C (-22 °F)	700	January 1, 2028
Chillers	Industrial process refrigeration with exiting fluid above -30 °C (-22 °F)	700	January 1, 2026
Chillers	Comfort cooling	700	January 1, 2025
Ice Rinks	Ice rinks	700	January 1, 2025
Data centers, computer room air conditioning, and information technology equipment cooling	Data centers, computer room air conditioning, and information technology equipment cooling	700	January 1, 2027

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2. See regulatory text for specific types of aerosol products subject to the later compliance date. Excludes metered dose inhalers using HFC-134a or HFC-227ea or defense sprays using HFC-134a as a propellant.
3. Includes blown foam, products incorporating blown foam, and pre-blended polyol products. Excludes composite structural preformed polyurethane foam for trailer use and for marine use.
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Industrial process refrigeration (not using chillers)	With refrigerant entering the evaporator below -50 °C (-58 °F)	Not covered	Not covered
Industrial process refrigeration (not using chillers)	Temperature of the refrigerant entering the evaporator from -50 °C (-58 °F) to -30 °C (-22 °F)	700	January 1, 2028
Industrial process refrigeration (not using chillers)	High temperature side of cascade system and temperature of the refrigerant entering the evaporator above -30 °C (-22 °F)	300	January 1, 2026
Industrial process refrigeration (not using chillers)	With less than 200 lbs. refrigerant charge and temperature of the refrigerant entering the evaporator above -30 °C (-22 °F)	300	January 1, 2026
Industrial process refrigeration (not using chillers)	With 200 or more lbs. refrigerant charge excluding high temperature side of cascade system and temperature of the refrigerant entering the evaporator equal to or above -30 °C (-22 °F)	150	January 1, 2026
Industrial process refrigeration (not using chillers)	With refrigerant entering the evaporator below -50 °C (-58 °F)	Not covered	Not covered

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