

NEW YORK STATE REGULATIONS

FINAL HFC REGULATIONS FROM NY DEC

In December 2024, New York State’s Department of Environmental Conservation (NYSDEC) finalized new regulations to meet emissions reductions under the state’s Climate Act. The new hydrofluorocarbon (HFC) refrigerant regulations affect existing and new food retailing stores.



Department of
Environmental
Conservation

OVERVIEW OF NY DEC REGULATIONS

GWP[†] LIMITS IN EQUIPMENT STARTING JANUARY 1, 2026

- Any refrigerant with a GWP₂₀ of more than 580 prohibited in equipment with more than 50 lbs. in new facilities.
- Any refrigerant with a GWP₂₀ of more than 943 prohibited in equipment with less than 50 lbs. in new facilities.
- These GWP limits align with EPA’s AIM Act prohibitions starting in 2026 & 2027[†].

VIRGIN REFRIGERANT SALES PROHIBITIONS

- Depending on GWP, virgin HFC refrigerant sales will be banned starting in 2025, 2030, 2033, and 2040. However, recovered, recycled, or reclaimed refrigerant will still be allowed for service.

EXISTING FACILITIES GWP LIMITS FOR LARGE RETAIL CHAINS

- Supermarket Chains* must have all refrigeration equipment with > 200 lbs. using a refrigerant with a GWP₂₀ of less than 10 by January 1, 2035; or
- Annual refrigerant loss from supermarket systems containing 200 or more pounds of refrigerant is five (5) percent or less.

REFRIGERANT MANAGEMENT

- Mandatory leak detection, repair, registration, and reporting
- Starts in 2025 for systems with more than 1,500 lbs. of refrigerant

[†]See table on next page for GWP values on commonly used and new refrigerants

***Supermarket Chain** - A business entity owning or operating 20 or more retail food facilities that contain supermarket systems with a refrigerant charge capacity of 200 pounds or greater in New York or that operates more than 100 such facilities in the United States, including in New York.

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EXISTING FACILITIES - REFRIGERANT MANAGEMENT PROGRAM

NY State DEC has also created a refrigerant management program like those in California and Washington State. This includes the following parts:

- Registration and labeling
- Leak detection and monitoring
- Leak repair requirements
- Retrofit or replacement plans for leaking equipment
- Annual reporting and recordkeeping requirements

The table below summarizes the registration labeling and leak inspection requirements.

Annual reporting requirements begin on March 31, 2026, for regulated equipment with more than 1,500 lb. of refrigerant and on March 31, 2027, for 200 to 1,499 lbs.

GWP COMPARISON OF COMMON REFRIGERANTS

Refrigerant	EPA 100-Year GWP (AR4)	NY DEC 20-Year GWP (AR6)	Safety Group	Virgin Ban Date
R-507A	3985	7290	A1	2025
R-404A	3922	7208	A1	2025
R-407A	2107	4890	A1	2030
R-410A	2088	4715	A1	2030
R-407F	1825	4485	A1	2030
R-449A	1397	3383	A1	2033
R-448A	1387	3322	A1	2033
R-513A	631	1823	A1	2040
R-454A	239	943	A2L	NA
R-454C	148	580	A2L	NA
R-515B	293	525	A1	NA
R-1234ze(E)	7	5	A2L	NA
R-1234yf	4	2	A2L	NA
R-290	3	< 1	A3	NA
R-744 (CO2)	1	1	A1	NA

REFRIGERANT SALES PROHIBITIONS

Virgin refrigerant sales bans go into effect April 9, 2025, for refrigerants with a GWP₁₀₀ greater than 2,200 except for R-404A and R-507A, for which the ban begins January 1, 2026**. Bans start January 2030 for R-407A, R-407F and R-410A, in January 2033 for R-448A and R-449A, and in January 2040 for R-513A.

This means that equipment using one of the affected refrigerants can only be serviced using recovered, recycled, or reclaimed gas after those dates.

REFRIGERANT MANAGEMENT PROGRAM DETAILS

System Size (charge)	Leak Inspection Requirement	Start Date for Leak Inspection Requirement	Registration & Labeling Compliance Date
1500+ lbs.	Conduct leak inspection once per month (not required with automatic leak detection system)	Jan. 1, 2025	June 1, 2025, for equipment installed before that date; Otherwise, by June 1 of the calendar year after the date that new equipment is installed.
1500+ lbs.	Must install automatic leak detection system by June 1st, 2025	June 1, 2025	
200 - 1499 lbs.	Conduct leak inspection once every three months (not required with automatic leak detection system)	Jan. 1, 2025	June 1, 2026, for equipment installed prior to that date; By June 1 of the calendar year after the date that new equipment is installed.
50 - 199 lbs.	Conduct leak inspection once every year (not required with automatic leak detection system)	Jan. 1, 2025	June 1, 2028, for equipment installed prior to that date; By June 1 of the calendar year after the date that new equipment is installed.
Any size	Conduct system leak inspection each time refrigerant is added in an amount of 5 lbs. or 1% of the full charge, whichever is greater.	Same dates as above	

** DEC issued an enforcement discretion letter on the sale of virgin R-404A and R-507A that pushes back the ban one year to January 1, 2026. See: <https://dec.ny.gov/sites/default/files/2025-02/enforcementdiscretionpart494.pdf>



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