

## New York State's Final HFC Prohibitions: 6 NYCCR § 494 Subpart 1 1/8/25 RMS Fact Sheet\* for Supermarket End-Users (Commercial HVACR)

### Applies To:

- All new HVACR equipment, regardless of charge size, manufactured or first installed after effective date of prohibition.
- Existing high-GWP HVACR systems can continue to operate with existing refrigerants.

### Especially Noteworthy:

- The following modifications to existing equipment trigger the same refrigerant bans as for new equipment:
  - For HVACR, the addition of components to increase system cooling or nominal capacity (BTUs per hour)
  - For refrigeration, cumulatively replacing ≥75% of evaporators and 100% of compressors, condensers, and connected evaporator loads
  - For HVAC w/>1 condenser and/or >1 evaporator, cumulatively replacing ≥75% of indoor evap. units and 100% of its condensing units
  - For HVAC w/1 condenser and 1 evaporator, modifying with a new exterior condenser, condensing unit, or remote condensing unit
- Retrofits to lower **GWP20\*\*** refrigerants allowed until 1/1/29.
- In situations where the US EPA Technology Transitions Rule (TTR) has a stricter requirement, it supersedes the NY State regulations.

### Prohibitions on Products and Systems:

Subsector	Prohibited Substances	Date <sup>1,2</sup>
Light commercial AC/heat pumps	Self-contained products and field charged systems w/100-year GWP ≥700	1/1/2026 <sup>3</sup>
	Regulated substances w/GWP20 >10	1/1/2034
Refrigerated food processing & dispensing equipment	HFC-227ea, KDD6, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R407C, R-407F, R-410A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R424A, R-428A, R-434A, R-437A, R-438A, R-507A, RS-44 (2003 formulation)	1/1/2021
	≤500g and outside scope of UL 621, edition 7 w/ 100-year GWP ≥150	1/1/2027
	>500g and outside scope of UL 621, edition 7, and all ice cream makers regardless of charge size w/in the scope of UL 621, edition 7: 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, RS24 (2002 formulation), RS-44 (2003 formulation), GHG-X5, Freeze 12	
	Regulated substances w/GWP20 >10	1/1/2034
Rack & remote condensing unit systems	HFC-227ea, R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	1/1/2021
	Regulated substances w/GWP20 >580 for equipment w/≥50 lb. charge capacity	1/1/2026
	Regulated substances w/GWP20 >943 for equipment w/<50 lb. charge capacity	1/1/2026
	Substances w/GWP20 >10	1/1/2034
Rack & remote condensing unit systems (retrofit)	R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	1/1/2021
Stand-alone units	Medium Temp: FOR12A, FOR12B, HFC-134a, HFC-227ea, KDD6, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R-407C, R-407F, R-410A, R410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-428A, R434A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), RS-44 (2003 formulation), SP34E, THR-03	1/1/2021
	Low Temp: HFC-227ea, KDD6, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R407C, R-407F, R-410A, R-410B, R-417A, R-421A, R-421A, January 1, 2021 Page 28 of 64 R-421B, R-422A, R-422B, R-422C, R-422D, R424A, R-428A, R-434A, R-437A, R-438A, R-507A, RS-44 (2003 formulation)	1/9/2025 <sup>3</sup>
	100-year GWP ≥150	
	Regulated substances w/GWP20 >10	1/1/2034
Stand-alone units (retrofit)	R-404A, R-507A	1/1/2021
Cold storage warehouses	HFC-227ea, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R410A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-423A, R-424A, R-428A, R-434A, R-438A, R-507A, and RS-44 (2003 composition)	1/1/2023
	Regulated substances w/GWP20 >580 for equipment w/≥50 lb. charge capacity	1/1/2026
	Regulated substances w/GWP20 >943 for equipment w/<50 lb. charge capacity	1/1/2026
	Regulated substances w/GWP20 >10	1/1/2034
New refrigeration facility	Regulated substances w/GWP20 >10 for equipment w/≥200 lb. charge capacity	1/1/2026

<sup>1</sup> For field installed systems if prohibition date is prior to 1/1/27 & an approved building permit is issued prior to 1/9/25, prohibition date is extended 1 year.

<sup>2</sup> For products (factory assembled & charged) 1-year sell-through period.

<sup>3</sup> US EPA Technology Transitions Rule compliance date of 1/1/25 supersedes NY State regulation.