

## Massachusetts Refrigerant Prohibitions: 310 CMR 7.76

### 4/15/25 RMS Fact Sheet\* for Supermarket End-Users (Commercial HVACR)

#### Applies To:

- All new refrigeration equipment and chillers, regardless of charge size, manufactured or first installed as of the effective date.
- Selling, leasing, renting, offering for sale, installing, using, or manufacturing in MA, any product or equipment for the regulated end-uses as of the effective date.
- Certain refrigerant retrofits.
- Existing high-GWP equipment can continue to operate with existing refrigerants.

#### Especially Noteworthy:

- As of the effective date, the following modifications to existing equipment trigger the same refrigerant bans as for new equipment:
  - The addition of components to increase system capacity; or
  - Cumulatively replacing components within a 3-year period, such that the cumulative capital cost of those replacements exceeds 50% of the capital cost of replacing the whole system.
- Stricter US EPA Technology Transitions Rule (TTR) requirements supersede the MA State regulations.
- Any refrigerant deemed unacceptable by the EPA's SNAP program is also considered unacceptable at the state level.

#### Refrigerant Prohibitions by End-Use Sector:

End Use	Prohibited Refrigerants	Effective Date
Air Conditioning - Centrifugal chillers (new)	FOR12A, FOR12B, HFC-134a, HFC-227ea, HFC-236fa, HFC-245fa, R-125/134a/ 600a (28.1/70/1.9), R-125/ 290/ 134a/ 600a (55.0/1.0/42.5/1.5), R-404A, R-407C, R-410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D, R-423A, R-424A, R-434A, R-438A, R-507A, RS-44 (2003 composition), THR-03	1/1/2024
Air Conditioning - Positive displacement chillers (new)	FOR12A, FOR12B, HFC-134a, HFC-227ea, KDD6, R125/ 134a/ 600a (28.1/70/1.9), R125/ 290/ 134a/ 600a (55.0/1.0/42.5/1.5), R-404A, R-407C, R-410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D, R-424A, R-434A, R-437A, R-438A, R-507A, RS-44 (2003 composition), SP34E, THR-03	1/1/2024
Refrigeration - Cold Storage Warehouses (new)	HFC-227ea, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R-410A, 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, RS-44 (2003 composition)	1/1/2023
Refrigeration - Supermarket Rack Systems (Retrofit); Refrigeration - Remote Condensing Units (Retrofit)	R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	1/1/2021
Refrigeration - Supermarket Rack Systems (New); Refrigeration - Remote Condensing Units (New)	HFC-227ea, R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	1/1/2021
Refrigeration - Stand-Alone Units (Retrofit); Refrigeration - Vending Machines (Retrofit)	R-404A, R-507A	1/1/2021
Refrigeration - Stand-Alone Medium-Temperature Units (New)	FOR12A, FOR12B, HFC-134a, HFC-227ea, KDD6, R125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R-407C, R-407F, R-410A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-428A, R-434A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), RS-44 (2003 formulation), SP34E, THR-03	1/1/2021
Refrigeration - Stand-Alone Low-Temperature Units (New); Refrigeration - Refrigerated Food Processing and Dispensing Equipment (New)	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, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-428A, R-434A, R-437A, R-438A, R-507A, RS-44 (2003 formulation)	1/1/2021
Refrigeration - Vending Machines (New)	FOR12A, FOR12B, HFC-134a, KDD6, R125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407C, R-410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D, R-426A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), SP34E	1/1/2022

\*This fact sheet is a summary of very complex and lengthy regulations and is based on our understanding of the final rule. As our understanding improves, we will refine the fact sheet. It focuses on HVACR equipment commonly found in supermarkets. This fact sheet is not meant to be a substitute for reading the regulatory text.