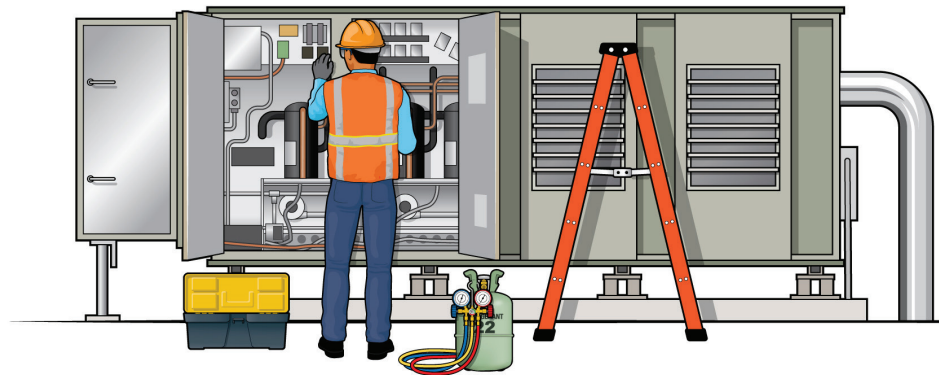




Helping You Prepare for the HFC Phasedown

For several years, the Environmental Protection Agency (EPA) has been phasing down the supply of hydrofluorocarbon (HFC) refrigerants to help reduce their emissions and environmental impact. The American Innovation in Manufacturing (AIM) Act has set limits on HFC in new equipment, reduced HFC supply by 40 percent in 2024, and will reduce supply by 70 percent by 2029.

The team at CCI Mechanical is ready to help guide you through these regulations, understand the impact on your facility, and develop a plan for your equipment.

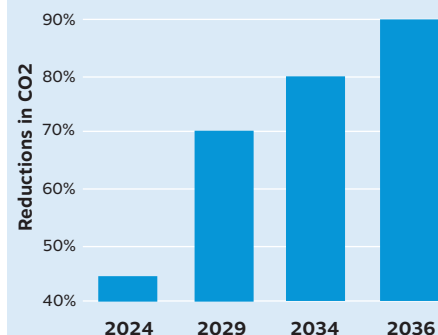


Supply Reductions and Impacts on Existing Equipment

Existing commercial chillers, rooftop units, split units, and VRF systems will not need to be converted to operate with low-global warming potential (GWP) refrigerants. However, clients with existing equipment that uses other HFCs should prepare for decreased supply and increased costs — especially in later years of the phasedown.

We will continue to support and maintain these systems, as current regulations allow us to replace failed components. Our technicians can also help identify leaks early, to preserve supply, and will take your unique needs into account when recommending repair or replacement.

The AIM Act has set the following benchmarks for reductions in CO₂ emissions derived from HFCs:



Restrictions on New Equipment

The EPA has set the following schedule for restrictions on new equipment:

- **January 1, 2025:** Unitary equipment and chillers for comfort cooling must use an approved refrigerant with a GWP below 700
- **January 1, 2026:** R-410A will be restricted in VRF systems; they must use an approved refrigerant with a GWP below 700
- **January 1, 2027:** Data center cooling equipment must use an approved refrigerant with a GWP below 700

Additionally, new installations and replacements will no longer be simple “swap outs” due to regulatory changes that require us to:

- Install refrigerant leak monitoring and dissipation systems
- Observe clearances from potential ignition sources
- Install mechanical ventilation systems in some situations
- Ensure new refrigerant piping systems are accessible for inspection

A2L Refrigerant Building Code Map

Scan here to see an updated map showing where building codes have been updated or legislation passed to allow equipment using A2L/low GWP refrigerants.



IMPORTANT REMINDER: R-22 equipment was phased out as of 2010, so all equipment using R-22 is now over 15 years old and beyond its useful life. New R-22 hasn't been produced since 2020, so contact us to help you with a plan for your aging equipment.

We're Here to Help

While some changes are subject to final rulemaking and there may be unique local requirements, it's important to act now to help eliminate risk from shortages. Our professional, EPA-certified technicians are trained in a variety of lower-GWP refrigerants and equipped with tools designed for new mildly flammable refrigerants.

Our comprehensive system for managing refrigerants covers:

- Detailed documentation of all refrigerant transactions via service reports
- Recycling of used refrigerants and lubricants to help ensure future supplies
- Leveraging national buying power to help keep costs for refrigerants at fair rates

Whether replacing equipment, creating conversion plans, or strategizing for HFC supply restrictions, we can help you develop a proactive, customized plan. *Call us today.*

WHAT CAN WE DO FOR YOU?

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