

A2L TRAINING/CERTIFICATION

A2L and Product Update

What are A2L Refrigerants?

A2Ls have a lower flammability rating compared to A3 refrigerants such as hydrocarbons, propane, and isobutane. They also have a lower toxicity rating than B series refrigerants such as ammonia. In fact, A2L refrigerants are considered the second safest class of refrigerants.

Come 2025, the Environmental Protection Agency (EPA) will set a 750 global warming potential (GWP) limit for air conditioning. This means that R-410A, with a GWP of 2,088, will no longer be able to be used in new equipment.

The most common low GWP alternatives are classified by ASHRAE as mildly flammable, or A2L. Due to their mildly flammable characteristics, A2L refrigerants will require updates to standards and building codes to allow for their safe installation.



Friday, December 12, 2025

8:00 am - 4:00 pm

N&S Supply - Kingston

120 Wood Road, Kingston (845) 331-6700

Breakfast and Lunch Included

PRICE: \$125 for Class; **\$195** for Class and Test.

Topics:

- Refrigerant Transition
- A2L System Design / Risk Mitigation
- New Product Overview

Low GWP Refrigerant Safety: Flammable and Mildly Flammable Refrigerants

As the HVACR industry continues to innovate, refrigerants that were once commonplace are now being phased out. Replacing them are more energy-efficient, environmentally friendly refrigerants known as Low GWP refrigerants. Many of these new refrigerants are classified by ASHRAE as A2L, or slightly flammable. The industry is also seeing expanded use of some hydrocarbon (A3) refrigerants, such as propane and isobutane.

CERTIFICATION

The Low GWP Refrigerant Safety – A2L Refrigerants examination validates that a person has the knowledge to safely work with low GWP refrigerants, helping to reduce liability. The 50-question, closed-book exam covers the following competencies:

- General Flammable Refrigerant Safety Knowledge
- Core ACR Knowledge
- Flammable System Service Safety
- Flammable System Installation Safety
- Flammable Refrigerant Transportation and Handling Safety

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