



A2L Compatible Solutions

NOVENT® FAQ



NOVENT,[®] NO WORRIES!

LOCKING CAPS FOR ALL REFRIGERANTS



In June 2021, the EPA approved A2L refrigerants, including R-32 and R-454B, for use in residential AC applications while initiating the phase-out of A1 refrigerants.

Before



After



WHAT YOU NEED TO KNOW

Do we need to put red caps on the unit, or can we use any color?

The code does not state a specific color. It states that some red label, tie, or tag is placed next to the service valves to indicate an A2L refrigerant.

What color caps do you offer?

We offer two cap options: Red A2L Caps and Universal Silver Caps. The Red A2L Caps are specifically designed for A2L refrigerant systems, providing easy visual identification and compliance while protecting against contamination and theft. Our Universal Silver Caps work with all standard refrigerant types and provide reliable sealing and security for traditional HVAC systems.





NOVENT
UNI Refrigerant Caps
Meets the IMC®, IRC®,
and UMC® codes



Why would anybody need or use a refrigerant locking cap?

These caps prevent unauthorized access and misuse, helping to avoid costly repairs and damage. Made from high-grade brass with a protective aluminum shroud, they offer long-term durability and reliability.

Are the Universal Silver Caps approved for A2L?

Yes, and they are engraved with A2L to highlight our tested compatibility with A2L refrigerants.

Code Example:

A label indicating the use of a flammable refrigerant must be placed adjacent to service ports and other locations where service involving refrigerant components is performed (Section 1104.6.2.2). Proper labeling and clear identification are critical when working with these refrigerants. This means that the locking refrigerant cap (itself) does not need to be red—instead, some kind of red label, tie, or tag must be placed next to the service valves.

Current Code:

This is the section of the code, just so that you'll have the foundation, which has been used since about 2009—the red markings issue came-up with the flammable (and mildly flammable—A2L) refrigerants started being used in certain AC equipment.

1105.11 Refrigerant Port Protection

Air conditioning refrigerant circuit access ports located outdoors shall be protected from unauthorized access with locking-type tamper-resistant caps or in a manner approved by the Authority Having Jurisdiction.

Exception: Refrigerant ports in secure locations protected by walls or fencing and requiring key access.



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For More Information

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