

A2L Refrigerants Educational Series | Current Regulations

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Dear Reader,

At a recent [Climalife webinar](#), the audience had several questions about the current regulations for A2L refrigerants. One of the frequently asked questions was:

Q: What does A2L mean?

A: A2L is a new category of refrigerants defined by the ISO 817 standard, which means low flammability. This category is characterized by the need to have a high concentration (large amount of gas phase refrigerant present in the air) to present a possibility of ignition. In case of burning, the flame velocity is very slow (less than 10 cm/s), and the last criteria is the heat of combustion which is lower than 19 000 kJ/kg.



Watch the video!

To see all the questions on **Current Regulations for A2L Refrigerants**, or to watch the **webinar replay**, visit: www.climalife.dehon.com/faq.

About Solstice® L40X (R-455A)

Solstice L40X is a low-GWP HFO blend refrigerant designed for low-, medium- and high-temperature applications in new systems. Solstice L40X delivers excellent cooling performance in low-temperature applications and can be used across several segments of the HVACR industry. These include commercial refrigeration systems such as direct expansion racks, condensing units and self-contained systems, waterloop systems, monoblocks for cold rooms and freezer rooms, heat pumps, and chillers.

Features and Benefits

- Designed to replace R-404A / R-507 in new refrigeration systems
- GWP of 146 is more than 96% lower than R-404A
- Similar capacity (0-3%) / efficiency benefit (6 - 8%) when compared to R-404A
- Mild flammability (ASHRAE A2L)
- Significantly larger allowable charge size than with hydrocarbons (A3)
- Meets EU regulations (F-Gas) with GWP<150

For more information, contact your Honeywell representative or visit us at www.honeywell-refrigerants.com/europe.

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