

HYDROCARBON REFRIGERANT FACT SHEET



Q: Do technicians need a HYDROCARBON certification to legally work on a system that contains a HYDROCARBON refrigerant?

A: No, for now there is no mandatory certification that technicians need to service systems that contain a HYDROCARBON refrigerant.

Q: Do technicians need an EPA/608 certification to service a system that uses an approved HYDROCARBON refrigerant?

A: No, for now no certification is needed.

Q: Do you need an EPA/608 certification to purchase an approved HYDROCARBON refrigerant?

A: No, for now no certification is needed.

Q: What are the HYDROCARBON refrigerants that are EPA Acceptable for use in Household Refrigerators, Freezers, and combination Refrigerator/Freezer Units? "NEW EQUIPMENT ONLY"

A: Isobutane (R-600a), Propane (R-290), and R-441A. With a charge size, not to exceed 57 grams (2.0 ounces)

Q: What are the HYDROCARBON refrigerants that are EPA Acceptable for use in Retail Food Refrigerators and Freezers (Stand-Alone Units Only)? "NEW EQUIPMENT ONLY"

A: Isobutane (R-600a), Propane (R-290), and R-441A. With a charge size, not to exceed 150 grams (5.3 ounces)

Q: What are the HYDROCARBON refrigerants that are EPA Acceptable for use in Very Low-Temperature Refrigeration Equipment/Non-Mechanical Heat Transfer Systems? "NEW EQUIPMENT ONLY"

A: Ethane (R-170). With a charge size, not to exceed 150 grams (5.3 ounces)

Q: What are the HYDROCARBON refrigerants that are EPA Acceptable for use in Vending Machines? "NEW EQUIPMENT ONLY"

A: Isobutane (R-600a), Propane (R-290), and R-441A. With a charge size, not to exceed 150 grams (5.3 ounces)

Q: What are the HYDROCARBON refrigerants that are EPA Acceptable for use in Residential and light commercial equipment for self-contained room air conditioning (PTACs, PTHPs, Window Units, Portable AC Units)? "NEW EQUIPMENT ONLY"

A: Propane (R-290), and R-441A. With a charge size based on the Btuh rating of the unit. R-32 (NOT A HYDROCARBON, but has a 2L Flammable rating, may be used based on the Btuh rating of the unit.)

Q: HYDROCARBON refrigerant purity levels

A: Isobutane (R-600a), Propane (R-290), Ethane (R-170), and 441A must meet AHRI 700-2015 standard for Air and Other Noncondensibles, and Maximum Minimum Nominal Composition

Q: Do HYDROCARBON refrigerants have an odor like propane for grills do?

A: NO, Odorants (Stenching) cannot be used in refrigerant. They are considered non-condensables and can cause system problems.

Q: Should technicians servicing equipment that contain a flammable refrigerant receive training?

A: Yes! To avoid severe injury, and liability, anyone servicing a system that contains a flammable refrigerant should be properly trained. ICOR has a comprehensive training course available on their website at <http://www.icorvtc.com/hcs/hc1.html>.

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