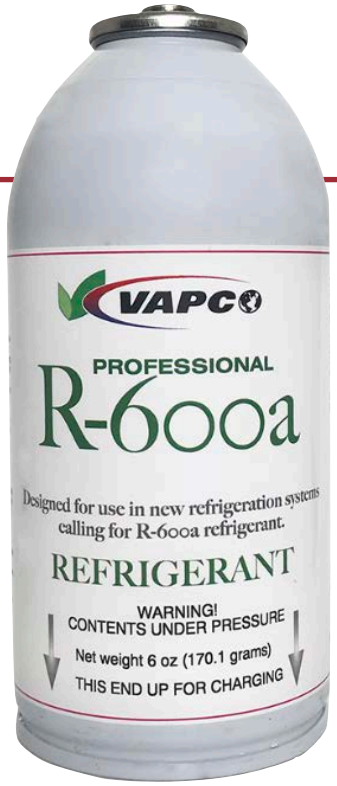
636-923-3002

R-600a

EPA APPROVED R600A REFRIGERANT FOR USE AS PER EPA REGULATIONS 40 CFR PART 82.17



As hydrocarbon (HC) refrigerants consistently prove their environmental and cost saving benefits, R600a is set to replace hydrofluorocarbon (HFC) based refrigerants in many applications.

A refrigerant grade isobutane, R600a is already dominant in new domestic refrigerators and freezers. Having seen almost complete saturation in the European market as well as a rapidly growing number of Asian in-home refrigerators and freezers, R600a is primed to take over the North American market in the coming years. While conversions from R12 and R134a to R600a are not permitted, an increasing number of manufacturers are ramping up distribution of R600a systems.

As the world continues its use of HC refrigerants, the effect on the environment is twofold. R600a has an extremely low global warming potential (GWP), which will significantly reduce the amount of accidental greenhouse gas emissions caused by leaks and improper practices.

RESIDENTIOAL APPLICATIONS

- Refrigerators
- Freezers
- Dehumidifiers
- Window AC Units

COMMERCIAL APPLICATIONS

- Ice Machines
- Grocery Store Freezers
- Refrigerators
- Restaurant Equipment
- Wine Coolers
- Beer Keg Lines
- Soda Machines
- Drinking Fountains

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R-600a

Isobutane also has a lower condensing point than most synthetic refrigerants allowing HC systems to operate much more efficiently than CFC (chlorofluorocarbon) or HFC systems.

HC refrigerants are found in large concentrations naturally, making them very sustainable as the need for new refrigerants continues to grow. Due to their flammability, HC refrigerants are restricted in the volume that can be used to charge a system. As technology and safety features improve, larger volumes will be tolerated and some are already beginning to increase the per-system charge maximums under optimum conditions.

By 2020 more than 75% of the global production will be based on R-600a.

APPLICATION & USE

- For use only in units calling for R600a
- As per use with any Flammable substance, take adequate precautions during use

Always refer to the EPA's Significant New Alternative Policy list (SNAP List) for a comprehensive list of acceptable uses. https://www.epa.gov/snap/snap-regulations

More than 1 billion refrigerators use R-600a globally.

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R-600a

MANUFACTURES USING R-600A

Bosch
IDW
Summit Professional
Summit Classic
Collection Turbo Air
MKE
Entrée
Serv-Ware
Kool-It
GE Monogram
LG
Maxxcold
Centaur Plus
Artic Air
Mitsubishi
Samsung
Firscool
Kelvinator Commercial
Whirlpool
Haier
Fisher & Paykel Beko
Avanti
Danby
Dayton
EdgeStar
Electrolux
Midea
U-line

ABOUT HYDROCARBON REFRIGERANTS

Though a growing number of hydrocarbon (HC) refrigerants are gaining popularity, R290 (propane) and R600a (isobutane) are the two most frequently found in HVACR applications today. R290 is predominantly found in commercial heat pump, air-conditioning, freezer, and refrigeration applications while R600a is generally found in both residential and commercial refrigerators and freezers. Not only touted for their environmental benefits, hydrocarbon refrigerants also boast significant cost savings for heating, cooling, and freezing applications.