

PRODUCT DESCRIPTION

Frogen® 404A (HFC-404A) is a non-ozone depleting compound designed to serve as a long-term alternative to Frogen® 502 (CFC-502) and Frogen® 22 (HCFC-22) in low and medium temperature commercial refrigeration applications. Applications where Frogen® 404A is a suitable retrofit refrigerant include supermarket freezer cases, reach-in coolers, display cases, transport refrigeration and ice machines.

Frogen® 404A has been designed as a substitute to Frogen® 502, but it is not a drop-in replacement. Mineral oils and alkylbenzene lubricants, which have been used traditionally with Frogen® 502, are immiscible with Frogen® 404A. Service technicians should consult the original equipment manufacturer for the recommended lubricants.

Frogen® 404A is a blend. For this reason it is essential that systems be charged only with liquid from the cylinder, not vapour. Vapour-charging Frogen® 404A may result in the wrong refrigerant composition and could damage the system.



PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--------------------------------|---|---|
| Chemical Name | : | Pentafluoroethane, 1,1,1-Trifluoroethane |
| | : | 1,1,1,2-Tetrafluoroethane |
| Chemical Formula | : | CHF ₂ CF ₃ , CH ₃ CF ₃ , CH ₂ FCF ₃ |
| Molecular Weight | : | 97.6 |
| Odor | : | Faint Ethereal Odor |
| Specific Gravity (water = 1.0) | : | 1.08 @ 21.1°C (70°F) |
| pH | : | Neutral |
| Boiling Point | : | -47.8 °C (-54.0 °F) |
| Freezing Point | : | Not Determined |
| Vapor Pressure | : | 182.9 psia @ 21.1°C, 370.9 psia @ 54.4°C |
| Vapor Density | : | 3.43 (Air =1.0) |
| Evaporate Rate | : | >1 |
| % Volatiles | : | 100 |

APPLICATIONS

Long Term Alternative to R-502 Refrigeration Purposes Refrigerator Vans and Trucks

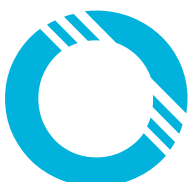
For more information please contact our Technical Support Team

PACKING

Ton Tanks
(1000 Kg Per Drum or Torpedoes)

ISO Tankers
(ISO Tank Containers 20,000 Kg)

Disposable Cylinders
(10.9 Kg Per Cylinders)



CONTACT

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