

PRODUCT DESCRIPTION

R-404A is a high-performance HFC blended refrigerant widely used in low and medium temperature refrigeration systems. It is designed as a replacement for older refrigerants like R502 and R22 in commercial and industrial cooling applications.

This refrigerant is known for its excellent cooling capacity, stable performance, and reliability, making it ideal for demanding environments such as supermarkets, cold storage facilities, and transport refrigeration.

APPLICATIONS

Commercial Refrigeration
Super Market freezers
Industrial Refrigeration
Transport Refrigeration
Cold storage warehouses
Replacement for R-502 and R-22

CHEMICAL PROPERTIES

Chemical Name	Pentafluoro ethane (HFC 125) 1,1,1-Trifluoroethane (R-143a) 1,1,1,2 Tetrafluoroethane (HFC 134)
CAS No.	354-33-6, 420-46-2, 811-97-2
REACH Registration	01-2119485636-25 (HFC 125) 01-2119492869-13 (R-143a) 01-2119459374-33 (HFC 134)
ECC No	206-557-8, 206-996-5, 212-377-0
Molecular Weight	97.6 (g/mol)
Form	Liquefied Gas
Color	Clear, colorless
Odor	Slight ethereal
Boiling Point	-47.8 °C
Vapor Pressure	1,261.0 kPa (21.1°C)
Density	1.06 g/cm ³ at 20°C
Vapor Density	3.43 relative to Air (Air= 1)
Water Solubility	Insoluble in water; Soluble in: chlorinated solvents, alcohols, esters.
Partition coefficient	Log pow = 2.3 (R125); Log pow = 1.740 (R143a); Log pow = 1.274
Critical Temperature	72.05°C
Critical Pressure	3.74 Mpa
GWP	3922
ODP	Non-Ozone Depleting

PACKAGING



- 10.9kg Disposable Cylinders
- 10kg Refillables
- 45kg Refillables
- 840kg Roll Drums
- 18,000kg ISO Tanks