

PRODUCT DESCRIPTION

R417A is a hydrofluorocarbon (HFC) blended refrigerant developed as a direct replacement for R22 in existing air conditioning and refrigeration systems. It is specifically formulated to allow retrofit with minimal system modification, making it a practical and cost-effective solution for upgrading older equipment.

R417A offers reliable cooling performance, good oil return characteristics, and compatibility with mineral oil and alkylbenzene lubricants, reducing the need for complete system oil changes.

APPLICATIONS

Stationary Air Conditioning

Commercial Refrigeration

Walk-in coolers/freezers

Heat Pumps

Transport Refrigeration

Can retrofit R-22 equipment in stationary AC and medium-temperature refrigeration systems

CHEMICAL PROPERTIES

Chemical Name	1,1,1,2 Tetrafluoroethane (HFC 134) Pentafluoro ethane (HFC 125) n-Butane (R600)
CAS No.	811-97-2, 354-33-6, 106-97-8
REACH Registration	01-2119459374-33 (HFC 134) 01-2119485636-25 (HFC 125) 01-2119474691-32 (R600)
ECC No	212-377-0, 206-557-8, 203-448-7
Molecular Weight	106.75 (g/mol)
Form	Liquefied Gas
Color	Clear, colorless
Odor	Slight ethereal
pH	Neutral
Boiling Point	-39.1 °C
Vapor Pressure	9.84 bar (25 °C)
Density	1151 kg/cm ³ at 25°C, (as liquid)
Vapor Density	3.8 relative to Air (Air= 1)
Critical Temperature	89 °C
Critical Pressure	4.64 MPa
GWP	2346
ODP	Non-Ozone Depleting

PACKAGING



- 11.3kg Disposable Cylinders
- 10kg Refillables
- 45kg Refillables
- 850kg Roll Drums
- 18,000kg ISO Tanks