

PRODUCT DESCRIPTION

R407F is a high-performance HFC refrigerant blend developed as a lower Global Warming Potential (GWP) alternative to R404A and R507A in commercial and industrial refrigeration systems. It delivers excellent energy efficiency, improved cooling performance, and reduced environmental impact, making it a strong choice for modern retrofit and new installations.

R407F is designed to provide enhanced capacity and efficiency, particularly in medium and low temperature refrigeration applications, while supporting compliance with evolving environmental regulations.

APPLICATIONS

- Supermarket Refrigeration
- Cold rooms and freezer storage
- Transport refrigeration
- Can retrofit R404A, R507, and R22 equipment
- Industrial refrigeration systems
- Commercial refrigeration systems
- Maritime Refrigeration

CHEMICAL PROPERTIES

Chemical Name	Difluoromethane (HFC 32) Pentafluoroethane(HFC 125) 1,1,1,2-Tetrafluoroethane (HFC 134)
CAS No.	75-10-5 , 354-33-6, 811-97-2
REACH Registration	01-2119471312-47 (HFC 32) 01-2119485636-25 (HFC 125) 01-2119459374-33 (HFC 134)
ECC No	200-839-4, 206-557-8, 212-377-0
Molecular Weight	82.6 (g/mol)
Form	Liquefied gas
Color	Clear, colorless
Odor	Slight ethereal
Boiling Point	-45.5 °C
Density	1.14 g/cm ³ at 21.1°C, (as liquid)
Vapor Density	2.54 (air = 1)
Vapor Pressure	10.99 bar (20 °C)
Water Solubility	Insoluble in water
Critical Temperature	82.66°C
Critical Pressure	47.55 bar
GWP	1824
ODP	Non-Ozone Depleting

PACKAGING



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