



R407F

R407F is a HFC blend, used as a replacement for R22 and R404A in low and medium-temperature applications. With a lower Global Warming Potential (GWP) and higher efficiency compared to R404A and R407A, R407F is a great alternative for various commercial refrigeration applications.

Chemical Formula	CH ₂ F ₂ , C ₂ HF ₅ , C ₂ H ₂ F ₄	
CAS no.	25 - 50%	<ul style="list-style-type: none"> • R32 75-10-5 • R125 354-33-6 • R134a 811-97-2
UN no.	25 - 50%	3163
ASHRAE Safety Class.	25 - 50%	A1
Purity		99.5%

Hazard Classification



Class 2.2
Non-Flammable,
Pressurized,
Liquified Gas

Applications



Commercial
Refrigeration &
Air Conditioning



Transport
Refrigeration



*Other
(Ice machines)

GWP (Global Warming Potential) & ODP (Ozone-Depleting Potential)



GWP

1 825



ODP

Non-Ozone Depleting

Physical Properties

Appearance	Clear, colourless liquefied gas
Odour	Ether-like odour;
Boiling Point (°C)	-45.5
Vapour Pressure (kPa_abs)	988.9 @ 20 °C
Vapour Density (Air = 1)	33.92 @ 20 °C
Relative Density (Water =1)	1.14 @ 20 °C
Auto-Ignition Temperature (°C)	Not Available
Molecular weight (g/mol)	82.058

Packaging Available in

Disposable Cylinder	✓
Returnable Cylinder	✓

Compatible Oils

Polyolester

Precautions

Read label before use.

Asphyxiant; avoid confined spaces

Liquidified gas can cause frostbite

Gas is under pressure

Release of gas into the atmosphere could harm the environment