

PRODUCT DESCRIPTION

R32 (Difluoromethane) is a next-generation, single-component HFC refrigerant widely used in residential and commercial air conditioning systems and heat pumps. It is designed as a more sustainable and efficient alternative to R410A, offering improved performance and reduced environmental impact.

R32 delivers high cooling capacity and superior energy efficiency, while requiring a lower refrigerant charge, making it both cost-effective and performance-driven for modern HVAC systems.

APPLICATIONS

Residential air conditioning (split & inverter ACs)

Commercial Air Conditioning

Heat pumps

Light commercial cooling systems

CHEMICAL PROPERTIES

Chemical Name	Difluoromethane (HFC 32)
CAS No.	75-10-5
REACH Registration	01-2119471312-47
ECC No	200-839-4
Molecular Weight	52.02 (g/mol)
Form	Liquefied Gas
Color	Clear, colorless
Odor	Slight ethereal
Melting Point	-136°C
Boiling Point	-51.7°C
Liquid Density	961 kg/cm ³ at 0°C
Vapor Density	1.80 (Air = 1)
Vapor Pressure	13.8 bar (20°C)
Water Solubility	Insoluble in water
Partition coefficient	Log pow = 0.21 (R32)
Critical Temperature	78.11°C
Critical Pressure	57.82 bar
GWP	675
ODP	Non-Ozone Depleting

PACKAGING



- 3kg Disposable Cylinders
- 9.5kg Disposable Cylinders
- 9kg Refillables
- 40kg Refillables
- 640kg Roll Drums
- 18,000kg ISO Tanks