

R134a Refrigerant Gas

This high-purity refrigerant gas has a low water content. It is a non-flammable hydrofluorocarbon (HFC) used in air conditioning, refrigeration, and HVAC systems.



ADDITIONAL IMAGES



Overview

High Purity R134a Refrigerant

R134a is a high-purity refrigerant gas widely utilized in automotive air conditioning, refrigeration, and HVAC systems. This single-component hydrofluorocarbon (HFC) is designed for professional cooling applications, offering reliable thermal performance. It features zero ozone depletion potential and is supplied in a convenient, non-refillable cylinder format.

Physical Properties

Molecular Weight	42.58 g/mol
Boiling Point	-51.6 °C
Critical Temperature	72.5 °C
Critical Pressure	4.95 Kpa
Specific Heat (Liquid, 25°C)	1.78 KJ/(kg·°C)

Environmental Impact

Environmental Metrics

0 ODP	2000 GWP
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Quality Standards

Purity and Quality

Parameter	Limit
Purity	≥99.9%
Moisture	≤10ppm
Acidity	≤0.1ppm
Non-condensable vapor	≤1.5%
Vapor residue	≤100ppm

Packaging

Packaging Details

10kg Filling, Non-refillable, Colorless, Odorless