

## R-134a Floron Refrigerant Gas



### R-134A REFRIGERANT GAS

R134a refrigerant is a hydro fluorocarbon (HFC) compound with the chemical formula  $CH_2FCF_3$ . It is composed of carbon, hydrogen, and fluorine atoms. Due to its composition, R134a is classified as a greenhouse gas with a relatively high global warming potential (GWP). However, it is less harmful to the ozone layer than chlorofluorocarbons (CFCs) and hydro chlorofluorocarbons (HCFCs).

R134a refrigerant stands out as a versatile and widely used solution in refrigeration and air conditioning. Its unique properties and numerous applications have revolutionised the cooling industry.

R134a Refrigerant is a common refrigerant that is used in many air conditioning applications, usually packaged in blue colour cylinders/ Can

### KEY PROPERTIES OF R134 A

R134a refrigerant possesses several key properties contributing to its popularity in the cooling industry.

- Firstly, R134a is Non-Flammable, making it a safe choice for various applications. Unlike some other refrigerants, it does not pose a fire hazard, ensuring the safety of both users and equipment.
- Secondly, R134a exhibits high chemical stability, providing long-lasting performance in cooling systems.
- Furthermore, R134a is non-toxic, ensuring the safety of human health. It does not pose significant risks if accidentally released or inhaled, making it suitable for residential, commercial, and automotive use.

- Moreover, R134a exhibits excellent thermodynamic properties, enabling efficient heat transfer in cooling systems. It provides effective cooling performance while minimising energy consumption, contributing to overall system efficiency.

### **USES OF REFRIGERANT GAS R-134A**

**Domestic Refrigeration:** R134a refrigerant is commonly used in household refrigerators and freezers to keep food fresh and preserve quality. Its properties allow for efficient cooling and temperature maintenance.

**Automotive Air Conditioning:** R134a is widely employed in automotive air conditioning systems to provide comfort during hot weather. It helps cool the cabin space and regulates temperature for a pleasant driving experience.

**Commercial Refrigeration:** R134a is utilised in commercial refrigeration units, such as supermarkets, restaurants, and cold storage facilities. It ensures the proper storage and preservation of perishable goods on a larger scale.

**Industrial Cooling:** R134a is employed in various industrial processes that require cooling, such as chemical manufacturing, pharmaceutical production, and food processing. It helps maintain optimal temperatures for efficient operations.

**HVAC Systems:** R134a is used in heating, ventilation, and air conditioning (HVAC) systems for residential and commercial buildings. It enables efficient cooling and temperature control, ensuring comfortable indoor environments.

### **AVAILABILITY:**

R-134a Refrigerant Gas Floron Brand is available in the following packaging:

- 450 Gm. can;
- 10 KG Small Cylinders; &
- 62 KG Bing Cylinders;



### **About Goldenvita Nirmal HVAC Private Limited**

Established in the year 2022, Goldenvita Nirmal HVAC Pvt. Ltd. (hereinafter referred as GVN), is a part of the 30 Years old Goldenvita Group.

GVN was started to cater the requirements of refrigeration & HVAC industry. Over the years of proven leadership, we are at the forefront of promoting and supplying environmentally friendly non-ozone depleting refrigerants used for Refrigeration & Air-conditioning. GVN is one of the largest suppliers of gases like R-22, R-32, R-134A, R-404A, R-407C, R-410A & R-600 for new and existing cooling equipments.

We have become a dominant player in the market of offering our clients R134A Refrigerant Gas Cane. This cane is used for storing refrigerant gas used in light commercial air-conditioning and heat pump systems.

For bulk Sales Queries, Feel free to contact US :

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