



“ Global Refrigerant Expert “

# R-134A Refrigerant

1,1,1,2 TETRAFLUOROETHANE

(CH<sub>2</sub>FCF<sub>3</sub>)

## PRODUCT DESCRIPTION AND APPLICATION

Westron R134A® is a long term, environmental friendly, Non Ozone depleting, Energy efficient, Non Toxic, Nonflammable Refrigerant widely used in Automobile Air conditioning, Residential, Commercial and industrial Air conditioning and also used in Medium Temperature Refrigeration, Commercial Refrigeration, Food processing , Storage Refrigeration, Industrial Refrigeration, Transport Refrigeration and also used in High Temperature heat pumps. Westron R134a is mainly developed to substitute CFC's and HCFC's which is having Zero ODP (Ozone Depleting Potential ) and relatively less GWP.

### LUBRITACION

Westron R- 134A can be used with Polyolester (POE) or Poly Alkylene Glycol ( PAG - Only for Auto Air conditioning) and NOT with Mineral Oil or Alkyl Benzene Lubricant since it is not miscible with Westron R-134a Refrigerants.

POE or PAG Oil absorb moisture quickly when it is exposed to the atmosphere. Any way handle this issue very carefully and avoid prolonged exposure to air.

## PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	:	1,1,1,2-Tetrafluoroethane
Chemical Formula	:	CH <sub>2</sub> FCF <sub>3</sub>
Molecular Weight	:	102.02 g/mol
Form	:	Liquefied Gas
Color	:	Colorless
Odor	:	Weak
pH	:	Neutral
Melting Point	:	-101 °C (-150 °F)
Boiling Point	:	-26.2 °C (-15.1 °F)
Vapor Pressure	:	5,915 hPa at 21.1 °C (70.0 °F)
Vapor Density	:	14,713 hPa at 54.4 °C (129.9 °F)
Density	:	1.2 g/cm <sup>3</sup>
Relative Vapor Density	:	3.5
Water Solubility	:	1.5 g/l

## Usage and Safety Information

### Handling and Storage Precautions

Keep away from sources of ignition. Take precautionary measures against static discharges. Protect cylinders from damage. Do not drag, slide, roll or drop cylinders. Slowly open valve. Close cylinder valve after each use and keep closed even when cylinder is empty. Never apply heat or flame to any part of cylinder. Avoid inhalation of high concentration of vapours. Avoid contact between liquid and skin and eyes.

Store and use with adequate ventilation. Keep in a cool place away from fire risk, direct sunlight and all sources of heat. Avoid storing near intake of air conditioning units, boiler units and open drains. Store cylinders below 45 °C.

Two Slices Cans  
(1000 Gram)



Disposable Cylinders  
( 13.6Kg / 6.8Kg / 3.4Kg )  
( 30 Lbs / 15 Lbs / 7.5 Lbs )



Refillable Cylinders  
( 6.5Kg / 12Kg / 60Kg )



Torpedo / Ton Tanks  
( 500kg / 950kg )



ISO Tankers  
( ISO Tank Containers 20,000 Kg )

