



# Refrigerant Gas R404A

## Mixed Refrigerant Gas R404A

Product Name	Mixed Refrigerant R404A
Chemical Family	Hydrofluorocarbons
Chemical Formula	CF <sub>3</sub> CH <sub>2</sub> F/CF <sub>3</sub> CH <sub>2</sub> F/CF <sub>3</sub> CH <sub>3</sub>
Chemical Name	1,1,1,2-tetrafluoroethane (HCFC-134a)/Pentafluoroethane (HFC-125)/ 1,1,1-Trifluoroethane (HFC-143a)

## Application

Retrofit for R-12 in the area of centrifugal, rotary screw, scroll and reciprocating compressors.

## Specification

Purity	99.90% min
Moisture	10PPM max
Acidity (ASCL)	1PPM max
Evaporating residue	100PPM max
Non-condensable gas	1.5% max
Total Fluorinated	40ppm max

## Lubricant

RAG and POE oil

## Chemical & Physical Data

Appearance/Odor	Colorless liquefied gas with faint ether odor
pH	NA
Specific Gravity	1.08@25°C/77F
Vapor Pressure	1.13Mpa@25°C/77F
Vapor Density	3.36 kg/m <sup>3</sup>
Melting Point	NE
Freezing Point	NE
Boiling Point	-47.8°C
Solubility In Water	Negligible
Percent Volatile	100
Molecular Weight	97.60

