

Kraftmann Refrigerant Gas R410A

▶ 1,1,1,2-Tetrafluoroethane (HFC-134a) (Chemical Name)

▷ Application

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

▷ Specification

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

▷ Lubricant

RAG and POE oil

▷ Chemical & Physical Data

Chemical Formula:	CH ₂ FCF ₃
Molecular:	102.0
Appearance:	Clear, colorless liquid and vapor
Physical State:	Gas at ambient temperatures
Odor:	Faint ethereal odor
Boiling Point:	-26.5°C (-15.7 F) @ 736 mm Hg
Vapor Pressure:	96 psia @ 25°C (77 F)
Vapor Density:	3.6 (Air=1.0) @ 25°C (77 F)
Solubility In Water:	0.15 WT% @ 25°C(77 F) @ 14.7 psia
Liquid Density	1.21 g/cm ³ @ 25°C (77 F)
Specific Gravity:	1.208 @ 25°C(77 F)
Evaporation Rate:	(CCL ₄ = 1); greater than 1
% Volatiles:	100 WT%