

Kraftmann ◀ Refrigerant Gas R134A

▶ 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

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| Purity | 99.90% |
| 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

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| 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% |