R404A Refrigerant – Klea® 404A

R404A refrigerant is an established alternative to R-22 and R-502.

Please note that for reduced GWP, Klea® 407A offers a good alternative.
Composition (wt%) R-143a/R-125/R-134a = 52/44/4

Please note that not all products are available in all markets.

R404A Refrigerant Physical Properties – Klea® 404A

Property	S.I. Units	Value	British Units	Value
Molecular Weight	kg/kmol	97.60	lbm/lbmol	97.60
Critical Temperature	°C	72.05	°F	161.68
Critical Pressure	bara	37.29	psia	540.83
Critical Density	kg/m³	486.54	lb/ft³	30.37
Atmospheric Bubble Point	°C	-46.2	°F	-51.2
Atmospheric Dew Point	°C	-45.5	°F	-49.8
Latent Heat of Vapourisation at Atmospheric Pressure	kJ/kg	199.61	BTU$_{IT}$/lb	85.82
Saturated Vapour Density at Atmospheric Pressure	kg/m³	85.82	lb/ft³	0.34
Liquid Vapour Pressure @25°C	bara	12.5	psia	182.0
Coefficient of Volumetric Thermal Expansion for Saturated Liquid at 25°C	°C^{-1}	0.00495	°F^{-1}	0.00275
Speed of Sound* for Saturated Vapour at 25°C	m/s	133.8	ft/s	438.94
Adiabatic Exponent* for Saturated Vapour at 25°C		1.37		1.37
Latent Heat of Vapourisation at 25°C	kJ/kg	138.99	BTU$_{IT}$/lb	59.75
Saturated Vapour Density at 25°C	kg/m³	65.27	lb/ft³	4.07
Saturated Vapour Density at 0°C	kg/m³	30.47	lb/ft³	1.90