R410A Refrigerant – Klea® 410A

R410A refrigerant is a leading high pressure alternative to R-22, comprising R-32 and R-125, for air conditioning and refrigerant applications for new equipment.

Composition (wt%) R-32/R-125 = 50/50

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

R410A Refrigerant Physical Properties – Klea® 410A

Property	S.I. Units	Value	British Units	Value
Molecular Weight	kg/kmol	72.59	lbm/lbmol	72.59
Critical Temperature	°C	72.59	°F	72.59
Critical Pressure	bara	49.02	psia	710.96
Critical Density	kg/m^3	459.53	lb/ft^3	28.69
Atmospheric Bubble Point	°C	-51.443	°F	-60.6
Atmospheric Dew Point	°C	-51.364	°F	-60.5
Latent Heat of Vapourisation at Atmospheric Pressure	kJ/kg	279.12	BTU$_{IT}$/lb	120.00
Saturated Vapour Density at Atmospheric Pressure	kg/m^3	4.1742	lb/ft^3	0.26
Liquid Vapour Pressure @25°C	bara	16.574	psia	240.4
Coefficient of Volumetric Thermal Expansion for Saturated Liquid at 25°C	°C^{-1}	0.0051708	°F^{-1}	0.00287
Speed of Sound* for Saturated Vapour at 25°C	m/s	161.86	ft/s	531.04
Adiabatic Exponent* for Saturated Vapour at 25°C		1.58		1.58
Latent Heat of Vapourisation at 25°C	kJ/kg	190.6	BTU$_{IT}$/lb	81.94
Saturated Vapour Density at 25°C	kg/m^3	65.972	lb/ft^3	4.12
Saturated Vapour Density at 0°C	kg/m^3	30.576	lb/ft^3	1.91