R125 Refrigerant – Klea® 125

R125 refrigerant is a main building block for blended refrigerants used as replacements for R-502 and R-22. These blends include Klea® 410A which has become a leading replacement for R-22, Klea® 407C which was one of the first commercially available blends suitable for both retrofit and original equipment use of R-22 systems and Klea® 407A, a lower GWP alternative to Klea® 404A and Klea® 507.

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

R125 Refrigerant Physical Properties – Klea® 125

Property	S.I. Units	Value	British Units	Value
Molecular Weight	kg/kmol	120.02	lbm/lbmol	120.02
Critical Temperature	°C	66.02	°F	150.84
Critical Pressure	bara	36.18	psia	524.70
Critical Density	kg/m^3	573.58	lb/ft^3	35.81
Normal Boiling Point	°C	-48.089	°F	-54.560
Latent Heat of Vapourisation at Atmospheric Pressure	kJ/kg	164.1	BTU_{IT}/lb	70.55
Saturated Vapour Density at Atmospheric Pressure	kg/m^3	6.79	lb/ft^3	0.42
Liquid Vapour Pressure @25°C	bara	13.779	psia	199.85
Coefficient of Volumetric Thermal Expansion for Saturated Liquid at 25°C	$°C^{-1}$	0.0055069	$°F^{-1}$	0.00306
Speed of Sound* for Saturated Vapour at 25°C	m/s	117.32	ft/s	384.91
Latent Heat of Vapourisation at 25°C	kJ/kg	110.390	BTU_{IT}/lb	47.46
Saturated Vapour Density at 25°C	kg/m^3	90.557	lb/ft^3	5.653
Saturated Vapour Density at 0°C	kg/m^3	42.070	lb/ft^3	2.626