



## R404A

---

Item	286470
Description	Refrigerant gas mixture

## DATASHEET

---

CAS N.	354-33-6	420-46-2	811-97-2
CEE N.	206-557-8	206-996-5	212-377-0
ASHRAE N.	R125	R143a	R134a
Chemical name	Pentafluoroethane	1,1,1-Trifluoroethane	1,1,1,2-Tetrafluoroethane
Molecular formula	C <sub>2</sub> HF <sub>5</sub>	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>

## PROPERTIES

---

R125 (Pentafluoroethane)	% p/p	44,0 ± 2,0
R143a (1,1,1-Trifluoroethane)	% p/p	52,0 ± 1,0
R134a (1,1,1,2-Tetrafluoroethane)	% p/p	4,0 ± 2,0
Appearance	-	Colourless liquefied gas
Molar mass	g/mol	97,60
Vapour pressure (at 20°C)	kPa	1097
Bubble temperature (at 101,3 kPa)	°C	-46,2
Dew point temperature (at 101,3 kPa)	°C	-45,47
Critical temperature	°C	72,05
Liquid density at 20°C (a P eb)	Kg/m <sup>3</sup>	1067
Vapour density at 20°C (a P eb)	Kg/m <sup>3</sup>	56,3
Acidity	ppm	≤ 1
High-boiling impurity	% v/v	≤ 100

## GUARANTEE

---

Purity	% p/p	≥ 99,8
Vapor phase noncondensable	% v/v	≤ 1,5
Humidity	ppm	≤ 10