



R1234yf

Item 287000
Refrigerant gas HFO

DATA SHEET

CAS N. 754-12-1
CEE N. 468-710-7
ASHRAE N. R-1234yf
Chemical name 2,3,3,3-tetrafluoroprop-1-ene
Molecular formula C₃H₂F₄

PROPERTIES

Appearance		Colourless liquefied gas
Molar mass	g/mol	114
Vapour pressure (a 20°C)	kPa	591,7
Freezing point	°C	-150,38
Boiling point (at 101,3 kPa)	°C	-29,5
Critical temperature	°C	94,7
Liquid density at 20°C (at P ev)	Kg/m ³	1109
Vapour density at 20°C (at P ev)	Kg/m ³	32,80
Acidity	ppm	≤ 1
High-boiling residue	% w/w	≤ 0,01
All Other Volatile Impurities	% w/w	≤ 0,5

GUARANTEE

Purity	% w/w	≥ 99,5
Air and other non-condensables	% v/v	≤ 1,5
Water	ppm	≤ 10