



R1234yf

Item	287000
Refrigerant gas	Hydrofluorocarbon

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	C ₃ H ₂ F ₄

PROPERTIES

Appearance		Colourless liquefied gas
Molar mass	g/mol	114
Vapour pressure (a 20°C)	kPa	591,7
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	1110
Vapour density at 20°C (at P ev)	Kg/m ³	32,80
Total organic impurities	ppm	≤ 5000
Acidity	ppm	≤ 1
High-boiling residue	ppm	≤ 100

GUARANTEE

Purity	% p/p	≥ 99,5
Air and other non-condensables	% v/v	≤ 1,5
Water	ppm	≤ 20