



R408A

R408A, an HCFC-based refrigerant, is a cost-effective retrofit refrigerant for R12 refrigeration systems such as walk-in coolers, beverage dispensers, vending machines, domestic and supermarket systems.

Chemical Formula	CF ₃ CHF ₂ , CF ₃ CH ₃ , CHClF ₂	
CAS no.	47%	• R22 75-45-6
	46%	• R143a 420-46-2
	07%	• R125 354-33-6
UN no.	1078	
ASHRAE Safety Class.	A1	
Purity	99.5%	

Hazard Classification



Class 2.2
Non-Flammable,
Pressurized,
Liquified Gas

Applications



Industrial
Refrigeration



Domestic
Refrigeration



*Other
(Retrofit of existing
R12 refrigeration
applications)

GWP (Global Warming Potential) & ODP (Ozone-Depleting Potential)



GWP

3 152



ODP

0.024

Physical Properties

Appearance	Colourless liquid gas
Odour	Faint ethereal odour
Boiling Point (°C)	-44.579
Vapour Pressure (kPa_abs)	1011.8 @ 20 °C
Vapour Density (Air = 1)	37.41 @ 20 °C
Relative Density (Water =1)	1.08 @ 20 °C
Auto-Ignition Temperature (°C)	Not Available
Molecular weight (g/mol)	87.015

Packaging Available in

Disposable Cylinder	✓
Returnable Cylinder	✓

Compatible Oils

Mineral
Alkylbenzene

Precautions

Read label before use.
Asphyxiant; avoid confined spaces
Liquified gas can cause frostbite
Gas is under pressure
Release of gas into the atmosphere could harm the environment