



R22

R22 is a HCFC and has been the dominant refrigerant in residential and commercial air conditioning. It is being phased out due to its high ozone depleting potential.

Chemical Formula	CHClF ₂
CAS no.	75-45-6
UN no.	1018
ASHRAE Safety Class.	A1
Purity	99.5%

Hazard Classification



Class 2.2
Non-Flammable,
Pressurized,
Liquified Gas

Applications



Commercial
Refrigeration &
Air Conditioning



Domestic
Refrigeration &
Air Conditioning



Transport
Refrigeration



*Other
(Cold stores, cabinets, water
chillers and process cooling)

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



GWP

1810



ODP

0.5

Physical Properties

Appearance	Clear liquefied gas
Odour	Slight ether-like odour
Boiling Point (°C)	-40.81
Vapour Pressure (kPa_abs)	910,02 @ 20 °C
Vapour Density (Air = 1)	31,97 @ 20 °C
Relative Density (Water =1)	1,21 @ 20 °C
Auto-Ignition Temperature (°C)	635
Molecular weight (g/mol)	86.468

Packaging Available in

Disposable Cylinder	✓
Returnable Cylinder	✓

Compatible Oils

Mineral
Alkylbenzene
Polyol Ester

Precautions

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