



Clean Gas HFC-32

Clean Gas Difluoromethane



Technical Data

Appearance: Colorless and odorless gas

UN Number: 3252

CAS Number: 75-10-5

Compressed gas

* Refer to MSDS for detailed information on the properties and safety of the product.

Specification

Purity	vol%	Min. 99.99
Water	volppm	Max. 30
Acids as HCl	volppm	Max. 0.3
Other fluorocarbons	volppm	Max. 100
Air	volppm	Max. 100
Particle	Not smaller than 0.1 micrometer	Max. 60/C.F.



Cylinder

Item		10L cylinder	47L cylinder
Size	Inside diameter	140mm	232mm
	Height (to the neck portion)	850mm	1370mm
	Height (with a protective cap) *	1000mm	1520mm
Loading weight		1kg, 3kg, 5kg	10kg
Material		Manganese steel (Clean-S-treated)	

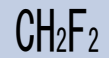
*Estimated values for when a standard valve is mounted on a standard cylinder.
The accuracy of these values is not guaranteed.

Valve

Nozzle size	φ22 mm X 14 right-hand threads
Material	SUS316L

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Physical & Chemical Properties

Item	Unit	Data
Chemical formula		CH ₂ F ₂
Molecular weight		52.02
Boiling point	°C	-51.65
	°F	-61.1
Melting point	°C	-136
Liquid density (0° C, saturated liquid)	kg/L	1.055
Gas density (0° C, saturated liquid)	g/L	22.1
Specific gravity (air: 1)		1.7
Critical temperature	°C	78.1
Critical pressure	MPa	5.782
	kg/cm ²	57.5
Flammability		Not applicable
Toxicity		Not applicable
Latent heat of vaporization (0° C, 1013 MPa)	kJ/kg	45.34
Maximum permissible concentration (ACGIH)	ppm	—
Explosive limit (in air, 35° C, 101.3 kPa)		13.3~29.3

Temperature — Vapor Pressure Curve

