



CHF3 R23 Refrigerant Cylinder Gas Trifluoromethane

Our Product Introduction

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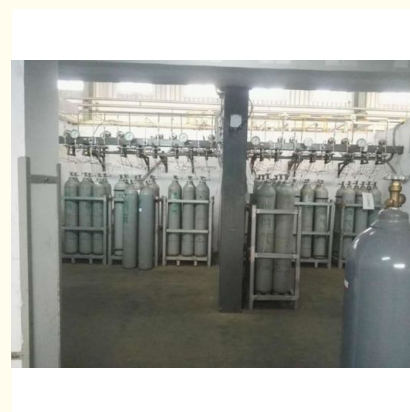
Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CHF3
- Minimum Order Quantity: 1kg
- Price: US \$150/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 30 days
- Payment Terms: T/T
- Supply Ability: 200 Tons/Year



Product Specification

- Model NO.: CHF3
- Product Name: Trifluoromethane
- Cylinder Standard: DOT/ISO/GB
- Valve: Cga330
- Appearance: Colorless Gas
- Purity: 99.99%
- Boiling Point: 12.5°C
- Melting Point: -107.3°C
- Transport Package: Cylinder
- Specification: 44L 100L 270L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2903410000
- Supply Ability: 250t/M
- CAS No.: 7783-80-4



More Images



Product Description

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Trifluoromethane, also known as carbon trifluoride or R-23, is a chemical compound with the molecular formula CF_3H . It belongs to the family of haloalkanes and is a colorless, odorless gas at room temperature. Trifluoromethane is primarily used as a refrigerant due to its low boiling point and excellent thermal properties.

Here are some key points about trifluoromethane:

Properties: Trifluoromethane has a boiling point of -82.1°C (-115.8°F) and a melting point of -157.6°C (-251.7°F). It is non-flammable and has a relatively low toxicity. It has a high vapor pressure and is not soluble in water.

Refrigerant: Trifluoromethane is commonly used as a refrigerant in applications such as air conditioning, refrigeration systems, and industrial cooling. It is known by the trade name R-23 in the refrigeration industry. Its low boiling point and good heat transfer properties make it suitable for these applications.

Environmental Impact: Trifluoromethane is a potent greenhouse gas with a global warming potential (GWP) of 12,000 over a 100-year time horizon. It has a long atmospheric lifetime, contributing to its impact on climate change. Due to its high GWP, efforts are being made to reduce its use and find more environmentally friendly alternatives.

Industrial Applications: Trifluoromethane finds application in other industries as well. It is used as a cleaning agent for electronic components and in the manufacturing of pharmaceuticals and agrochemicals. It also serves as a precursor in the synthesis of other fluorinated compounds.

Safety Considerations: Trifluoromethane is generally considered non-toxic but can displace oxygen in confined spaces, leading to asphyxiation. As with any compressed gas, proper handling, storage, and ventilation measures should be followed to ensure safety.

Specification:

Product Name	Trifluoromethane		Chemical Formula	CHF_3
Hazard Class	2.2		Molecular Weight	70.014
CAS	75-46-7		UN	1984
Boiling Point	at 1.013 bar [$^\circ\text{C}$]	-82.16	at 14.5 psi, [$^\circ\text{F}$]	-115.87
Density	at 1.013 bar, 15°C , [kg/m^3]	2.986	at 1 atm., 70°F , [lb/ft^3]	0.182

Detailed Photos

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Company Profile



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe.

Our products mainly include: H₂, O₂, N₂, Ar, CO₂, propane, acetylene, helium, laser mixed gas, SiH₄, SiH₂Cl₂, SiHCl₃, SiCl₄, NH₃, CF₄, NF₃, SF₆, HCL, N₂O, doping mixed gas (TMB, PH₃, B₂H₆) and other electronic gases.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



Our Advantages

1. Fast delivery;
 2. Stable raw material source;
 3. On-line analysis system for quality control in every step;
 4. High requirement and meticulous process for handling cylinder before filling;
- Our carbon monoxide have been exported to many countries like India, Pakistan, Malaysia, Indonesia, Australia, Singapore, Maldives and Ecuador.
Since the establishment of our company, it has received universal praise by virtue of good reputation, high quality and perfect after service.

FAQ

1. Q: Are you a factory or a trading company?

A: We are a manufacture and trade integration company. Expert R&D department and sophisticated supply chain is our key of success.

2. Q: Are bulk orders and multiple product orders available?

A: Yes, we have a strong production supply system to make sure all of your requirements satisfied. One station product solution is our aim of service.

3. Q: What if I never imported this product before, how do I do it?

A: Don't worry. We have import and export experience with over 50 countries over the world, our fulfillment department will guide you every step of the process.

4.Q: What is the MOQ?

Different products have different min order. It's depends on the kind the gas and the cylinder specifications. Please feel free to contact with me directly for your requirement.

5. Q: Why choice us Kemike Gas ?

A: Stable Supply, Professional Solution, Reasonable Price, and Safety Business with our Taiyu.

6. Q: How does your factory do the quality control?

A: We have standard quality control procedure.

a> In production, we have quality analysis system to make sure each step is qualified.

b> Before filling, we do the pre-treatment for the cylinders to clean well.

c> After filling, we will do 100% inspection analyze before delivery.

7. Q:Is it possible to ship by air?

A:Gases are classified into class 2.1, class 2.2 and class 2.3 which are inflammable gas, non-flammable gas and poisonous gas.

According to regulation, inflammable gas and poisonous gas cannot be shipped by air, and only non-flammable gas can be transported by air. If the amount purchased is large, sea transportation is better.

8. Q:Can I customize the package?

A:Yes of course! The most regular package is cylinder. Its size, color, valve, design and other requirements can all be met.

9. Q: What is the package & storage details?

A:Seamless steel cylinder with different valves, or as to your requirement.

Stored in shady, cool, dry, ventilated warehouse, and keep away from sunlight and ramming.

10. More question.....

Feel free to contact us, you will get immediately reply.



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