

R404A

Mixed Refrigerant



质量标准 QUALITY STANDARD

≥ 99.90% 纯度 Purity	≤ 0.001% 水分 Moisture	≤ 0.0001% 酸度 Acidity	≤ 0.01% 蒸发残渣 Vapor Residue
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物理性质 PHYSICAL PROPERTY

分子量Molecular Weight	97.60	临界压力 CriticalPressure(Mpa)	3.74
沸点Boiling Point101.3KPA(°C)	-46.60	破坏臭氧潜能(ODP)	0
临界温度 Critical Temperature(°C)	72.10	全球变暖系数(GWP)	3800

产品用途 APPLICATION

R404A是环保型制冷剂，用于替代R22和R502，具有清洁，低毒，不燃，制冷效果好等特点，广泛用于中低温的商用制冷设备。

R404a is a kind of refrigerant of surroundings-protection model,used in replacing R22&R502.It has a good nature of cleaning,low poison, non-combustion, good-refrigerant and so on,and greatly used in air-conditioning.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 高压罐 High-pressure can
- ISO TANK

R407C

Mixed Refrigerant



质量标准 QUALITY STANDARD

≥ 99.90% 纯度 Purity	≤ 0.001% 水分 Moisture	≤ 0.0001% 酸度 Acidity	≤ 0.01% 蒸发残渣 Vapor Residue
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物理性质 PHYSICAL PROPERTY

分子量Molecular Weight	86.20	临界压力 CriticalPressure(Mpa)	4.63
沸点Boiling Point101.3KPA(°C)	-43.80	破坏臭氧潜能(ODP)	0
临界温度 Critical Temperature(°C)	87.30	全球变暖系数(GWP)	1700

产品用途 APPLICATION

R407C属于HFC制冷剂，ODP为零，替代R22应用于容积式系统，如新生产的和现有的家用，家用空调以及热泵。R407C提供跟R22相似的效能并且可以用于改装原来设计使用R22空调系统。R407C也可替代R502用于现有中温系统。

R407C is a non-ODP HFC refrigerant replacement for R-22 in positive displacement systems such as new or existing residential and commercial air-conditioning and heat pumps. Offers similar performance to R-22 and can be used to retrofit R-22 air-conditioning systems.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 高压罐 High-pressure can
- ISO TANK

R507

Mixed Refrigerant



质量标准 QUALITY STANDARD

≥ 99.90% 纯度 Purity	≤ 0.001% 水分 Moisture	≤ 0.0001% 酸度 Acidity	≤ 0.01% 蒸发残渣 Vapor Residue
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物理性质 PHYSICAL PROPERTY

分子量Molecular Weight	98.86	临界压力 CriticalPressure(Mpa)	3.79
沸点Boiling Point101.3KPA(°C)	-47.10	破坏臭氧潜能(ODP)	0
临界温度 Critical Temperature(°C)	70.90	全球变暖系数(GWP)	3900

产品用途 APPLICATION

R507是一种HFC制冷剂，是R22和R502在商用制冷系统上的有效替代制冷剂。可以用于新生产的和现有的系统，在整个运行范围内跟R502的运行非常相似。

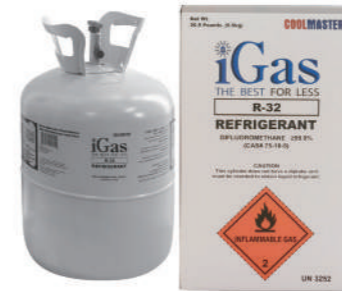
R507 is an HFC replacement option for R22 and R502 in low and medium-temperature commercial refrigeration systems. It can be used in new and existing systems, and provides very similar performance to R502 over the entire operating range.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 高压罐 High-pressure can
- ISO TANK

R32

Difluoromethane



质量标准 QUALITY STANDARD

≥ 99.90% 纯度 Purity	≤ 0.001% 水分 Moisture	≤ 0.0001% 酸度 Acidity	≤ 0.01% 蒸发残渣 Vapor Residue
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物理性质 PHYSICAL PROPERTY

分子量Molecular Weight	52.020	临界压力 CriticalPressure(Mpa)	5.80
沸点Boiling Point101.3KPA(°C)	-51.70	破坏臭氧潜能(ODP)	0
临界温度 Critical Temperature(°C)	78.20	全球变暖系数(GWP)	550

产品用途 APPLICATION

R32可作制冷剂，是中低温混合制冷剂的主要原料，主要用于R22替代品(R407C和R410A)。As a major component of blend refrigerant, it is used to produce blend refrigerant R407c and R410a in substitution for R22.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 高压罐 High-pressure can
- ISO TANK



产品手册 PRODUCT CATALOG



公司简介
COMPANY PROFILE



US Headquarter

iGas USA, Inc. was founded in 2018, registered capital USD 29.41 million, offers a full range of refrigerants. Our strength and our mission is to develop and bring to the market innovative solutions that will have a positive effect on a company's work and business.

Each day we strive to design creative, safe and high quality products that will assist in lowering your cost of business, make daily work requirements easier, faster and more economical and improve working conditions and the environment.

iGas offers virgin and reclaimed refrigerants in all industry size tanks, including refillable and non-refillable cylinders up to ISO containers. The main products are R134a, R125, R32, R410A, R404A, R407C, R507A, R438A, R407C, R422B, R422D, R22, R152a.

So far, we have set up warehouses and factories in USA, Mexico, China, UAE, Turkey, Indonesia, Malaysia, Thailand, Korea and keeping exploring in other countries to ensure more accurate and efficient delivery of goods.



UAE Factory

Global Fluorine Chemical Factory Company (GFCF) was founded in 2020, registered capital AED 1 million. It specializes in the production and distribution of refrigerants. With a total area of 100,000 m², GFCF is situated at ICAD II in Abu Dhabi, United Arab Emirates, and employs over 200 people. We are the first producer in the UAE with an entire set of cutting-edge refrigerant production lines. The fluorine chemical and chlor-alkali chemical industries, with a combined annual capacity of 20,000 tons, are served by our major products. We are able to provide the broadest selection of goods for air conditioning and refrigeration applications.

Our refrigerants perform better than the competition, are economical, safe to use, and environmentally benign. We think that with our cutting-edge technology, furnishings, administration, and solid reputation, Clients are guaranteed to receive satisfactory service and high-quality goods.

GFCF use the cutting-edge gas-phase method, which has few by-products, a high yield, and is good to the environment. Pharmaceutical-grade products and superior industrial-grade products are two categories for finished goods. With our cutting-edge technology, tools, management, and stellar reputation, We promise to deliver high-quality goods and services that will certainly please clients.

R410A

Mixed Refrigerant



质量标准 QUALITY STANDARD

≥ 99.90%	≤ 0.001%	≤ 0.0001%	≤ 0.01%
纯度 Purity	水分 Moisture	酸度 Acidity	蒸发残渣 Vapor Residue

物理性质 PHYSICAL PROPERTY

分子量 Molecular Weight	72.58	临界压力 Critical Pressure (Mpa)	4.95
沸点 Boiling Point (101.3KPa) (°C)	-51.60	破坏臭氧潜能 (ODP)	0
临界温度 Critical Temperature (°C)	72.50	全球变暖系数 (GWP)	2000

产品用途 APPLICATION

R410A作为R22的长期替代品，主要用于空调和制冷系统。As long-term substitute for R22, R410a is used mainly in the conditioning and refrigerant systems.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 高压罐 High-pressure can
- ISO TANK

R134a

1,1,1,2-Tetrafluoroethane



质量标准 QUALITY STANDARD

≥ 99.90%	≤ 0.001%	≤ 0.0001%	≤ 0.01%
纯度 Purity	水分 Moisture	酸度 Acidity	蒸发残渣 Vapor Residue

物理性质 PHYSICAL PROPERTY

分子量 Molecular Weight	102.03	临界压力 Critical Pressure (Mpa)	4.06
沸点 Boiling Point (101.3KPa) (°C)	-26.10	破坏臭氧潜能 (ODP)	0
临界温度 Critical Temperature (°C)	101.10	全球变暖系数 (GWP)	1300

产品用途 APPLICATION

替代R12汽车冷媒最佳环保制冷剂；气雾推进剂、医用气雾剂、杀虫药抛射剂、聚合物(塑料)发泡剂、镁合金保护气体。

R-134a is a refrigerant to replace CFC-12 in mobile air conditioning and in residential, commercial and industrial refrigeration systems. It is also used as a blowing agent in rigid foam insulation, and an important component of blends such as R-404A, R-407C, etc.

包装 PACKING

- 一次性使用钢瓶 Disposable cylinder
- 重复使用钢瓶 Refillable cylinder
- 气雾罐 2 piece aerosol can
- 高压罐 High-pressure can
- ISO TANK



FACTORY PRICE · LOCAL SERVICE



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United Arab Emirates (UAE) Factory

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