



CHINA MANUFACTURER

衢州永安新能源科技有限公司
YONGAN GAS CO.,LTD.

41 YEZHI ROAD ,QUZHOU CITY, ZHEJIANG PROVINCE,CHINA

USA OFFICE YONG AN GAS USA INC

730 N TODD AVE AZUSA ,
CA 91702

TEL: 0574-87951139;
0574-87951132

Website: www.rtmyongan.com

Email: sales1@rtmyongan.com



永安气体 | YongAn Gas

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GENERAL CATALOGUE

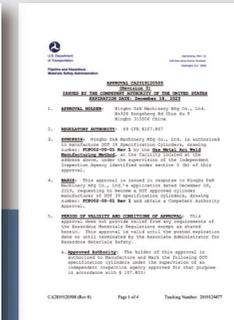
- 1L CYLINDER
- REFRIGERANTS GAS
- FUEL GAS & DAILY CARE GAS

衢州永安新能源科技有限公司
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www.rtmyongan.com

Quality certificate



About us

FACTORY

YongAn Gas Co.,Ltd. is a high-tech enterprise specializing in the production of small cylinders, as well as the filling, storage, and sales of refrigerant gas. The company is located in Quzhou city, and the facility covers an area of 50000m², including a 6400m² DG warehouse, of which 2800m² is the flammable warehouse.

 ADD: 41 YEZHI ROAD, QUZHOU CITY,
ZHEJIANG PROVINCE, CHINA

AUTOMATIC PRODUCTION LINE

Automatic production line to ensure the whole procedure quality control. Multiple in-process testing for each product, and using tracing system to monitor product quality.



Contents



01 1L Cylinder 01-01



02 Refrigerants Gas 02-07



03 Fuel gas & Daily care gas 08-09

Refrigerant Cylinder

Model:RC-1
Size:Φ74×275mm
Material:SPCC
Working pressure:3MPA
water capacity:1L
Burst pressure:≥7.6MPA
Package:12pcs/CTN
Bottle thickness: 0.8mm&1.0mm



Refrigerant Cylinder

Model:RC-2
Size:Φ74×303mm
Material:SPCC
Working pressure:3MPA
water capacity:1L
Burst pressure:≥7.6MPA
Package:12pcs/CTN
Bottle thickness: 0.8mm&1.0mm



Refrigerant Cylinder

Model:RC-3
Size:Φ74×303mm
Material:SPCC
Working pressure:3MPA
water capacity:1L
Burst pressure:≥7.6MPA
Package:12pcs/CTN
Bottle thickness: 0.8mm&1.0mm



Refrigerant Valve



**CUSTOMIZABLE*



R600a

Application: Retrofitting refrigerant for R12



*OEM FILLING FOR CAN

Packing: Disposable cylinder 120g, 400g, 420g, 6.5kg;
Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	CH ₃ CH ₂ CH ₂ CH ₃
Molecular Weight	58.12
Boiling Point, (1atm/ C)	-0.5
Critical Temperature, C	152.01
Critical Pressure, Mpa	3.796
ODP	0
GWP	4

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

R290

Application: Retrofitting refrigerant for R22



Packing: Disposable cylinder 400g, 5kg; Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	CH ₃ CH ₂ CH ₃
Molecular Weight	44.10
Boiling Point, (1atm/ C)	-42.07
Critical Temperature, C	96.67
Critical Pressure, Mpa	4.24
ODP	0
GWP	3.3

• Quality index

Purity	≥99.5
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Tetrafluoroethane R134a

Application: R134a is a refrigerant to replace CFC-12 in automotive air-conditioning and in residential air-conditioning



Packing: Disposable cylinder 200g, 250g, 300g, 340g, 750g, 820-850g, 1000g, 7.5lb/3.4kg, 15lb/6.8kg, 30lb/13.6kg, 50lb/22.7kg; Recyclable steel cylinder 926L; ISO tank.

Physical Property

Chemical Formula	CF ₃ CH ₂ F
Molecular Weight	102.03
Boiling Point, (1atm/ C)	-26.1
Critical Temperature, C	101.06
Critical Pressure, Mpa	4.05
ODP	0
GWP	1430

Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Diffluoromethane R32

Application: As a major component of blend refrigerant, it is used to produce blend refrigerant R407 and R410A in substitution for R22



Packing: Disposable cylinder 750g, 3kg, 7kg, 9.5kg; Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	CH ₂ F ₂
Molecular Weight	52.02
Boiling Point, (1atm/ C)	-51.7
Critical Temperature, C	78.52
Critical Pressure, Mpa	5.808
ODP	0
GWP	675

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench



Mixed refrigerant R410A

Application: Retrofitted refrigerant for R22



Packing: Disposable cylinder 800g,2.8kg,5.6kg,10kg, 11.3kg; Recyclable steel cylinder 926L; ISO tank.

• Physical Property

Molecular Weight	72.58
Boiling Point, (1atm/°C)	-51.6
Critical Temperature, C	72.5
Critical Pressure, Mpa	4.95
ODP	0
GWP	2088

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Mixed refrigerant R404A

Application: Retrofitted refrigerant for R22 or R502



Packing: Disposable cylinder 650g,2.7kg,5.4kg,9.5kg, 10.9kg; Recyclable steel cylinder 926L; ISO tank.

• Physical Property

Molecular Weight	97.6
Boiling Point, (1atm/°C)	-46.5
Critical Temperature, C	72.1
Critical Pressure, Mpa	3.74
ODP	0
GWP	3922

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Mixed refrigerant R507A

Application: Retrofitted refrigerant for R22



Packing: Disposable cylinder 800g,2.8kg,5.6kg,10kg, 11.3kg; Recyclable steel cylinder 926L; ISO tank.

• Physical Property

Molecular Weight	98.86
Boiling Point, (1atm/°C)	-47.1
Critical Temperature, C	70.9
Critical Pressure, Mpa	3.79
ODP	0
GWP	3985

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Mixed refrigerant R407C

Application: Retrofitted refrigerant for R22



Packing: Disposable cylinder 800g,2.8kg,5.6kg,10kg, 11.3kg; Recyclable steel cylinder 926L; ISO tank.

• Physical Property

Molecular Weight	86.2
Boiling Point, (1atm/°C)	-43.8
Critical Temperature, C	87.3
Critical Pressure, Mpa	4.63
ODP	0
GWP	1774

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench



Chlorodifluoromethane R22

Application: R22 is a low temperature refrigerant, can get -80 C. It's PTFE raw material.



Packing: Disposable cylinder 700g, 7.5lb/3.4kg, 15lb/6.8kg, 30lb/13.6kg, 50lb/22.7kg;
Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	CHClF ₂
Molecular Weight	86.47
Boiling Point, (1atm/°C)	-40.8
Critical Temperature, °C	96.15
Critical Pressure, Mpa	4.99
ODP	0.055
GWP	1810

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤0.1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

Tetrafluoropropene R1234yf

Application: R1234yf is a near drop-in replacement R-134a in automobile A/C applications, helping automakers around the world comply with EU low GWP requirements. Air conditioning systems using R1234YF refrigerant are generally more energy efficient than competing technologies.



Packing: Disposable cylinder 200g, 5kg

• Physical Property

Chemical Formula	CH ₂ CF ₃
Molecular Weight	114.04
Boiling Point, (1atm/°C)	-29.5
Critical Temperature, °C	94.7
Critical Pressure, Mpa	3.38
ODP	0
GWP	<1

• Quality index

Purity	≥99.9
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

ISO Tank Packing



Ton Tank Packing



Packing: Recyclable steel cylinder 926L, ISO tank for all kinds of refrigerants gas.



M PRO GAS

RTM 400g PRO GAS cylinder provides maximum heat output for more efficient use and faster soldering times. Designed for heavy-duty applications including soldering & brazing copper pipes, automotive repair, loosening rusted nuts and many other heat-treating applications. The slim, lightweight cylinder is easy to grip and maneuver.

- **CGA600 Connection**
Designed with PRO GAS Compatible torches
- **Flame temperature in air 2100 C.**
Ideal for soldering & brazing & heating
- **Faster heat transfer and less consumption**
Than 450g mixture gas and propane
- **Slim, Lightweight Cylinder**
Easy to grip and maneuver



P PROPANE

The 400g propane cylinder designed to work with standard propane torches, ideal for small heating and soft soldering tasks. The slim, lightweight cylinder is easy to grip and maneuver.

- **CGA600 Connection**
Designed with Propane-Compatible Torches
- **Flame Temperature in Air 1982 C**
Ideal for general soldering and heating
- **Slim, Lightweight Cylinder**
Easy to grip and maneuver



PRO GAS VS. PROPANE Work is completed most efficiently with the primary flame. PRO GAS fuel has more heat transfer in the primary flame than Propane.

FUEL	M PRO GAS	P PROPANE
FLAME TEMPERATURE IN AIR	3,812°F 2100°C	3,600°F 1982°C

P CAMPING GAS

This 453g lightweight, universal tank fits all standard portable propane appliances, tabletop grills and propane torches with a CGA 600 connection and is ideal for on-the-go cooking, grilling, heating and lighting. It is constructed with durable steel and reliable valves that provide safe and easy use.

- **CGA600 Connection**, fit for most portable appliance, grills and lanterns requiring propane
- **Lightweight Design**, for Easy to carry
- **Durable Steel Construction**



B BUTANE

- **Wide compatible - For all portable butane stove or torch**
- **Notched collar - Provides easy and correct alignment between canister and stove**
- **Automatically Reseal - Safe when removed from stove**
- **High-Grade Butane - Without impurities, performs well in freezing temperatures**



AIR DUSTER

Removes Dust From Hard-To-Reach Places

- Air duster is perfect for removing dust or debris from sensitive electronic devices
- Compressed liquefied gas removes dust and debris
- Contains liquefied gas infused with bitterant to discourage inhaling
- 100% ozone-safe
- Precision-dusting extension tubes
- Great for cleaning technology such as keyboards, CPU and laptops
- Ideal for a variety of other cleaning applications



CRYOGEN

Cryogen (1,1,1,2, tetrafluoroethane) is a super effective substance that cools the skin during work with laser machines. Use Cryogen to reduce the risk of injury and pain thereby increasing patients' comfort. The quality of our gas is very high - 99.99% pure gas



O OXYGEN-145

Applied into RTM brazing kit OX70&OX70P on page 14 for a high-intensity flame that can cut thin steel, braze and weld. The Oxygen Cylinder is constructed of durable steel with a higher working pressure.

- M12*1 Thread
- VOLUME: 950ml
- PRESSURE: 110 bar at 20°C
- TEST PRESSURE: PH 165 bar
- NET WEIGHT: 145g 5oz



PW 110 PH 165 BAR 0.95L
EN ISO 11118:2015
DO NOT REFILL



O OXYGEN-40

Applied into RTM brazing kit OX60P on page 13 for a high-intensity flame that can cut thin steel, braze and weld. The Oxygen Cylinder is constructed of durable steel with a higher working pressure.

- **CGA 601 left handed connection for Safety Use Only with Oxygen/Fuel Torches**
For high burn temperatures and fast work times
- **Slim, Lightweight Torch Set**
Easy to grip and maneuver
- **Durable Steel Construction**
With the 40g oxygen
- **Ideal for Use With**
The RTM OX60P&OX60PG Brazing Torch Kit

