



CHINA MANUFACTURER
YONGAN GAS CO.,LTD.

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2025

GENERAL CATALOGUE

- FUEL GASES & CYLINDERS
- REFRIGERANTS
- HEATING TORCHES

www.rtmyongan.com



Our vision

Safety



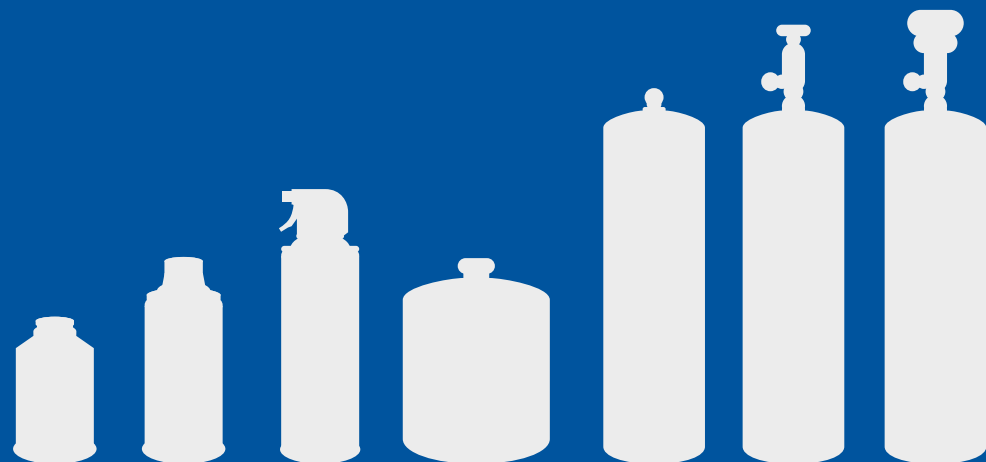
Quality



Service



Trust



About us

FACTORY

YongAn Gas Co.,Ltd, locates in Quzhou city, producing the fuel gases, refrigerants and cylinders, 45,000 sqm land area.

 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.



Quality certificate



Contents



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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 page14 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 page13 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





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: Retrofitted 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	CH3CH2CH2CH3
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: Retrofitted refrigerant for R22



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

• Physical Property

Chemical Formula	CH3CH2CH3
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

Difluoromethane 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 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 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



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 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

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



Pentafluoroethane R125

Application: Retrofitted refrigerant for R12 and R22. Used for confecting refrigerants like R404, R407, R410 and R507 etc.



Packing: Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	CHF ₂ CF ₃
Molecular Weight	120.20
Boiling Point, (1atm/°C)	-48.1
Critical Temperature, °C	66.2
Critical Pressure, Mpa	3.63
ODP	0
GWP	3500

• Quality index

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

Trifluoroethane R143a

Application: Used for confecting refrigerants like R404, R507.



Packing: Recyclable steel cylinder 926L, ISO tank.

• Physical Property

Chemical Formula	C ₂ H ₃ F ₃
Molecular Weight	84.04
Boiling Point, (1atm/°C)	-47.2
Critical Temperature, °C	73.15
Critical Pressure, Mpa	3.76
ODP	0
GWP	4470

• Quality index

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

RTM-030

MAX HEAT TURBO TORCH
CSA CERTIFICATED

- Auto start/stop ignition, instant cut off and auto flame lock to keep torch lit for finger-free use
- Turbo&swirl flame provide more heat distribution for soldering, brazing, heat treating and Automotive repair.
- For best performance, use with 400g PRO GAS, but Propane is also suitable with lower heat
- Brass tip and 100% rugged brass inter-structure to avoid the gas-leakage, 100% fire tested
- Advanced gas control system to easily adjust the size flame for different applications
- Flame stable for consistent performance when tilted or momentarily inverted



PRO GAS



PROPANE



RTM-033

HIGH HEAT TORCH
CSA CERTIFICATED

- Auto start/stop ignition, instant cut off and auto flame lock to keep torch lit for finger-free use
- Turbo&swirl flame provide hot heat distribution for soldering, brazing, heat treating and Automotive repair.
- For best performance, use with 400g PRO GAS, but Propane is also suitable with lower heat
- Stainless steel tip and 100% rugged brass&alum inter-structure to avoid the gas-leakage, 100% fire tested
- Advanced gas control system to easily adjust the size flame for different applications
- Flame stable for consistent performance when tilted or momentarily inverted



PRO GAS



PROPANE



RTM-042

MAX HEAT TURBO TORCH

- Auto on/off ignition, instant cut off
- Durable, Cast Metal Body Construction
- Turbo & swirl flame, ideal for large diameter soldering, brazing, heat treating and automotive repair
- Flame lock option for continuous use
- Pressure regulated for consistent performance even cylinder tilted or inverted
- Compatible with YongAn Pro Gas, Propane also applicable with lower heat transfer
- 3-year Lifetime Warranty.



PRO GAS



PROPANE



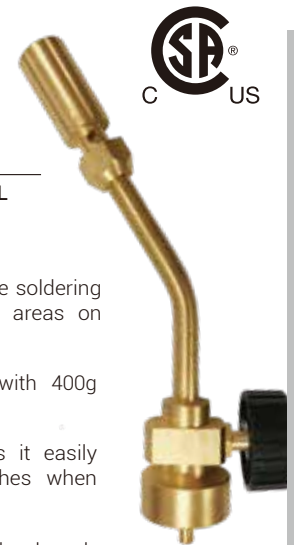
WT-1

MANUAL TORCH FOR GENERAL
APPLICATIONS

- Basic pencil flame for simple soldering and heating small surface areas on automotive
- For best performance, use with 400g Propane
- Flame control valve makes it easily size flame and extinguishes when finished
- 100% rugged brass inter-structure to avoid the gas-leakage, 100% fire tested



PROPANE





OX60P

USA TYPE BRAZING&CUTTING TORCH

The mapp&oxygen torch kit features an adjustable flame and is perfect for cutting thin steel, brazing and light welding. Also features an adjustable flame control knob on handle to make it comfort and easy using.



OX70

EUROPE TYPE

The mapp& Europe type oxygen torch kit features an adjustable flame and is perfect for cutting steel, brazing and light welding. Also features an adjustable flame control knob on handle to make it comfort and easy using.



HT-1S660

HOSE TORCH FOR ACCESSIBILITY AND MOBILITY

- 1.5M hose plus the belt hook for maximum accessibility and mobility.
- Turbo&swirl flame provide more heat distribution for soldering, brazing, heat treating and light welding
- For best performance, use with 400g PRO GAS, but Propane is also suitable with lower heat
- 100% rugged brass inter-structure to avoid the gas-leakage, 100% fire tested



HT-1S

360° SWIVEL TORCH TO ACCESS TIGHT SPOTS

- Turbo&swirl flame provide more heat distribution for soldering, brazing, heat-treating and automotive repair.
- For best performance, use with 400g PRO GAS, but Propane is also suitable with lower heat
- 100% rugged brass inter-structure to avoid the gas-leakage, 100% fire tested
- Advanced gas control system to easily adjust the size flame for different applications
- Flame stable for consistent performance when tilted or momentarily inverted



M PRO GAS **P** PROPANE

M PRO GAS **P** PROPANE

RTM-1S760

Air-acetylene brazing torch

Kit includes:
Rotatable torch tip
quick-disconnect handle
Acetylene pressure gauge
Acetylene hose

- Ideal for plumbing, HVAC, industrial applications
- Maximum brazing $\Phi 2.4''$ galvanized steel pipe
- Flame swirl tip design reduces brazing time
- Stainless steel / brass tip rotates 360 deg
- Self ignition and visual gauge



ACETYLENE



Air-fuel torch tips

Brass tip of air-propane torch



Model	T-1S3	T-1S4	T-1S4B	T-1S5
Tip size	8.6 mm	9.7 mm	11.5 mm	14.7 mm

Stainless steel tip of air-propane torch
Higher resistant to heat, longer cycle of replacement



Model	AS-3A	AS-5A	AS-8A	AS-12A	AS-14A extreme heat	AS-16A extreme heat
Tip size	5 mm	6 mm	7 mm	8.5 mm	10 mm	11.5 mm

Ideal for hobbyist, HVAC and light Fabrication.
Wide heating output range.
All tips feature an orifice screw that can be easily removed or replaced.
Maximum brazing $\Phi 2.4''$ galvanized steel pipe



ACETYLENE