



# 2023

## NORTH AMERICAN

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- FUEL GASES & REFRIGERANTS
- MAPP TORCHES
- MAPP & OXYGEN TORCHES KITS
- SOLDERING TORCHES & IRONS
- WELDING RODS, SOLDERS AND ACCESSORIES
- MANIFOLDS AND ACCESSORIES

[www.rtmyongan.com](http://www.rtmyongan.com)



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necessary.

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# 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.

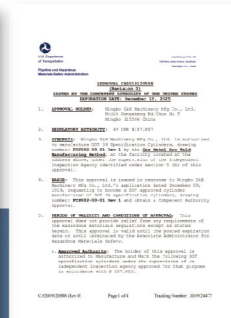
 ADD: 41 YEZHI ROAD ,QUZHOU CITY, ZHEJIANG PROVINCE,CHINA

## 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



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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,loosing 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**

## 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



## Refrigerant Valve



*\*CUSTOMIZABLE*

## Recovery Cylinder



Model	Materials	Shape size	Cylinder height	General height	Color	Valve Thread	Capacity	Scope of use
RTM-30LB	HP295	φ250mm	296mm	420mm	customized	Z3/4-18	13.6KG	R22:12.3KG,R410:9.0KG,R134A:12.4KG R507A:9.5KG,R404A:9.8KG,R407C:11.3KG
RTM-50LB	HP295	φ280mm	330mm	460mm	customized	Z3/4-18	22.7KG	R22:20.5KG,R410:15KG,R134A:20.7KG R507A:15.8KG,R404A:16.3KG,R407C:18.8KG



## 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 <sub>3</sub> CH <sub>2</sub> 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

## 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 <sub>2</sub>
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

## 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 3kg, 7kg, 10kg; Recyclable steel cylinder 926L; ISO tank.

### Physical Property

Chemical Formula	CH <sub>2</sub> F <sub>2</sub>
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

## 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 <sub>2</sub> CF <sub>3</sub>
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



## Mixed refrigerant R404A

**Application:** Retrofitted refrigerant for R22 or R502



**Packing:** Disposable cylinder 800g,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	≥99.8
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	≥99.8
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	≥99.8
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	≥99.8
Moisture, ppm	≤10
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench



## Butane R600

**Application:** Retrofitted refrigerant for R12



### \*OEM FILLING FOR CAN

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

#### • Physical Property

Chemical Formula	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>
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	≥99.5
Moisture, ppm	≤20
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

## Propane R290

**Application:** Retrofitted refrigerant for R22



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

#### • Physical Property

Chemical Formula	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>
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	≤20
Acidity, ppm	≤1
Vapor Residue, ppm	≤100
Appearance	Colorless, No Turbid
Odor	No Strange Stench

## Pentafluoroethan 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 <sub>2</sub> CF <sub>3</sub>
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 <sub>2</sub> H <sub>3</sub> F <sub>3</sub>
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





## Difluoroethane R152a

**Application:** Used as raw material for refrigerants, aerosol, detergent and PVDF



### \*OEM FILLING FOR CAN

**Packing:** Recyclable steel cylinder 926L, ISO tank.

#### • Physical Property

Chemical Formula	CH <sub>3</sub> CHF <sub>2</sub>
Molecular Weight	66.05
Boiling Point, (1atm/°C)	-24
Critical Temperature, °C	113.30
Critical Pressure, Mpa	4.52
ODP	0
GWP	124

#### • Quality index

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

## Dichloromethane DCM

**Application:** It is an important organic solvent, widely used in industries such as medicine, plastic and film



**Packing:** Iron drum 250kg

#### • Physical Property

Chemical Formula	CH <sub>2</sub> Cl <sub>2</sub>
Molecular Weight	66.05
Boiling Point, (1atm/°C)	39 - 42
Density(g/cm <sup>3</sup> , liquid)	1.33
Melting point(°C)	-96.7

#### • Quality index

Purity	≥99.8
Appearance	clear

## 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-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



## RTM-1S

360° SWIVEL BRASS TIP 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



PRO GAS PROPANE



## RTM-1

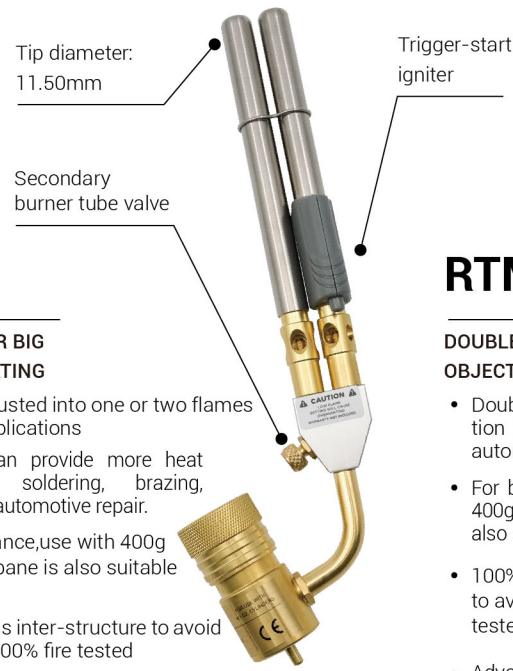
360° SWIVEL BRASS TIP TORCH  
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- For best performance, use with 400g PRO GAS, but Propane is also suitable with lower heat
- 100% rugged brass inter-structure to avoid the gas-leakage, 100% fire tested
- Advanced gas control system to easily adjust the size flame for different applications
- Flame stable for consistent performance when tilted or momentarily inverted



PRO GAS PROPANE





### WT-8

#### DOUBLE TORCH FOR BIG OBJECT HEAT-TREATING

- The torch can adjusted into one or two flames for the flexible applications
- Double flames can 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



PRO GAS



PROPANE

### RTM-2

#### DOUBLE TORCH FOR BIG OBJECT HEAT-TREATING

- Double flames can 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



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 sizes flame and extinguishes when finished
- 100% rugged brass inter-structure to avoid the gas-leakage,100% fire tested



PROPANE



### WT-1S

#### BASIC TORCH WITH BUILT-IN IGNITION

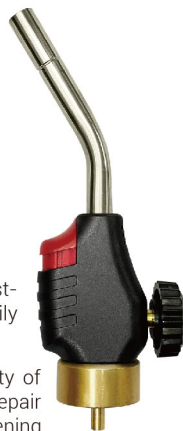
- Flame control valve help you adjustment flame when you work, easily ignite/extinguish the flame.
- Webbed flame completes a variety of household and automotive repair projects, including soldering, loosening rusted nuts/bolts/screws, thawing frozen pipes/locks.
- Durable Stainless Steel Burn Tube can do the job efficiently.
- Suited for 14.1 Propane&Mapp cylinder, connection of CGA600



PRO GAS



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.

- Compatible with CGA600 thread MAPP and CGA601 left thread oxygen cylinders
- Advanced gas control system on handle makes it easy to precision flame , dual flashback arrestors.
- Durable brass burn wand, independent fuel and oxygen controls and is pressure regulated for consistent performance when inverted.
- Temperature can reach 3000°C.making it ideal for small brazing, welding and metal-cutting projects
- Lightweight & Portable with 1.5M hose

#### Kit included:

1 pcs torch,1 pcs extra nozzle,1 pcs metal carry case,1 pcs sparker,1 pcs protection glass. Gas cylinder is not included, sold separately.



PRO GAS



OXYGEN



Cylinders not included



# OX80

## HEAVY BRAZING&CUTTING TORCH

The mapp&2L 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.

- Compatible with CGA600 connection MAPP and 2L&4L oxygen cylinder of the customized thread
- Advanced gas control system on handle makes it easy to precision flame , dual flashback arrestors.
- Durable brass burn wand, independent fuel and oxygen controls and is pressure regulated for consistent performance when inverted.
- Temperature can reach 3000 C..making it ideal for heavy brazing, welding and metal-cutting projects
- Lightweight & Portable with 3M hose



Cylinders not included

**Kit included:**

1 pcs torch, 1 pcs extra nozzle, 1 pcs metal carry case, 1 pcs sparker, 1 pcs protection glass. Gas cylinder is not included, sold separately.



# EUROPE TYPE



## OX70

Compatible with CGA 600 connection MAPP and Europe type M12\*1 thread oxygen cylinder



## OX70P

Compatible with 7/16" connection MAPP and Europe type M12\*1 thread oxygen cylinder

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.

- Advanced gas control system on handle makes it easy to precision flame , dual flashback arrestors.
- Durable brass burn wand, independent fuel and oxygen controls and is pressure regulated for consistent performance when inverted.
- Temperature can reach 3000 C..making it ideal for small brazing, welding and metal-cutting projects
- Lightweight & Portable with 1.8m hose

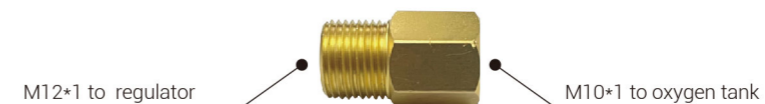
**Kit included:**

1 pcs torch, 1 pcs extra cutting nozzle, 1 pcs metal carry case, 1 pcs sparker, 1 pcs protection glass. Gas cylinder is not included, sold separately.

Cylinders not included



# Optional Adaptor





## HT-7

### BUTANE REFILLABLE TORCH

Features a strong and sturdy brass flame nozzle, big flame, refillable, and anti-flare and piezo crystal instant ignition,

- Widely used in Dental Labs, Bending Glass, Plastic or Metal tubing, Wood Graining, Removing old paint, Tile Laying, Wire soldering, Silver Soldering, Soften Putty, Plumbing repair etc.
- Lightweight and Portable with over 35 minutes of high grade 2500°F burn time. Fulfill all of your soldering and other needs. Fits easily in your toolbox. Precision Flame Control.
- The powerful, portable and Anti-flare butane refillable torch. Strong and sturdy brass flame nozzle, detachable base and precision flame control. Turn it upside down without worrying about flame blow-out.
- Height: 7.25" Weight: 13oz Fuel Capacity: 28 grams.

**B**

BUTANE



## HT-8

### BUTANE SOLDERING TORCH&IRON FOR HOUSEHOLD USE AND ELECTRONIC

Refillable butane micro torch and soldering iron designed for detailed work including electrical soldering, craft and hobby projects and small household projects. Features an electric ignition for easy lighting and an adjustable flame control knob to fine tune the tip temperature for various uses.

- Trigger ignition for easily ignites and extinguishes flame
- Pinpoint flame For detailed work
- Fingertip adjustable flame and continuous flame lock
- Includes the iron tip for electrical and electronic repair.

**B**

BUTANE



## HT-9

### 3 PIECE BUTANE SOLDERING IRON&BELOW EASY TORCH

3 piece refillable butane micro torch and soldering iron kit with many needed for detailed work including electrical soldering and jewelry repair. Features an electric ignition, integrated stand, flame lock and flame adjustment to fine tune the tip temperature for various uses

- Cordless soldering Iron with 3 interchangeable tips for many different jobs.
- Convenient ignition switch to make it easily ignites and extinguishes flame.
- Fingertip adjustable flame and continuous flame lock
- Portable, cordless and lightweight-works at any angle. Build-in stand for safe in use-operation.

**B**

BUTANE

## HT-10

### 10 PIECE BUTANE SOLDERING IRON&BELOW EASY TORCH

10 piece refillable butane micro torch and soldering iron kit with everything needed for detailed work including electrical and electronic repair, soldering, de-soldering, arts and crafts, model making, household repair and many more applications. Features an electric ignition, integrated stand, flame lock and flame adjustment to fine tune the tip temperature for various uses, and an adjustable flame control knob to fine tune the tip temperature for various uses.

- Cordless Soldering Iron with 7 interchangeable tips, cleaning sponge, rosin core electrical solder, storage case For everything needed jobs.
- Convenient ignition switch to make it easily ignites and extinguishes flame.
- Fingertip adjustable flame and continuous flame lock
- Portable, cordless and lightweight-works at any angle.
- Build-in stand for safe in use-operation.

**B**

BUTANE





### BRAZING ROD 0% SILVER

- 1.3\*3.2\*500mm
- 0% SILVER, 6.6%-7.4% Phosphorus, remainder Copper.
- Melting range 710°C -820°C
- Meets AWS A5.8
- The product is used in copper and copper welding and widely applied in air-condition&refrigeration industries.



### BRAZING ROD 2% SILVER

- 1.3\*3.2\*500mm
- 2% SILVER, 6.8%-7.2% Phosphorus, remainder Copper.
- Melting range 643°C -788°C
- Meets AWS A5.8
- The product is used to weld copper and brass, and can braze wide gaps. It is widely applied in air-condition&refrigeration industries.



### BRAZING ROD 5% SILVER

- 1.3\*3.2\*500mm
- 5% SILVER, 5.8%-6.2% Phosphorus, remainder Copper.
- Melting range 645°C -815°C
- Meets AWS A5.8
- The product is used to braze copper and brass, and can braze joints with wide gaps. It is widely applied in air-condition&refrigeration industries.



### BRAZING ROD 6% SILVER

- 1.3\*3.2\*500mm
- 6% SILVER, 7%-7.5% Phosphorus, remainder Copper.
- Melting range 643°C -724°C
- Meets AWS A5.8
- The product is used to weld copper and brass, brass and brass. It can be used in automatic brazing and is widely applied in air-condition&refrigeration industries.



### BRAZING ROD 15% SILVER

- 1.3\*3.2\*500mm
- 15% SILVER, 4.8%-5.2% Phosphorus, remainder Copper.
- Melting range 645°C -800°C
- Meets AWS A5.8
- The product is used to weld copper and brass, brass and brass. It is widely applied in motors and sanitary ware industries.



### CP5 COPPER PHOSPHORUS BRAZING&WELDING ROD

- Perfect for joining copper pipes, electrical wires or flexible tubing. Intended for hard soldering, brazing.
- Working Temperature: 705°C -782°C
- Tensile Strength : 30000PSI
- Includes 5pcs 12-in. rods, 305\*3.2\*1.3mm



### AL5 ALUMINUM BRAZING&WELDING ROD

- Useful for multiple tasks including soldering or repairing aluminum windows, doors, gutters and siding, and even sealing holes in boats.
- These rods can also be used to build-up aluminum joints without distortion, discoloration, or loss of strength.
- Working Temperature: 577°C -582°C
- Tensile Strength : 21000PSI
- Includes 5pc 12-in. rods, 305\*2.4mm

### RTM2301

SOLID WIRE SOLDER  
Suitable for plumbing& automotive repairs

- Solid wire solder
- Alloy lead free
- 1.6mm diameter, 3oz(85.2g)
- 220°C melting point



### RTM2302

ROSIN CORE SOLDER  
Suitable for electrical soldering

- Rosin core solder
- Alloy lead free
- 1.6mm diameter, 3oz(85.2g)
- 220°C melting point

### RTM2303

ACID CORE SOLDER  
Suitable for metal work soldering

- Acid core solder
- Alloy lead free
- 1.6mm diameter, 3oz(85.2g)
- 220°C melting point

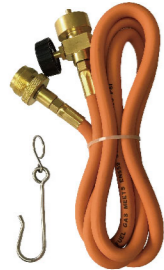
### RTM2304

WATER SOLUBLE FLUX  
Suitable for use with non-fluxed solder

- Water soluble flux
- 50g water soluble paste flux
- 104°C boiling point



### L-60H TORCH EXTENSION HOSE



- 1.5m extension hose
- Cylinder belt hook included
- CGA600 thread
- Suitable for all RTM Map-p&propane torches

### L-70H HEAT REFLECTOR GUARD



- Help to contain and concentrate heat during soldering&brazing
- Protect nearby surfaces from heat related damage
- Stainless steel curved protective guard
- Locking wingnut
- Suits for all the RTM MAPP torches.

### L-80H FLAME SPREAD HEAD



- Paint removal
- Flame spread for cooking and camping
- Flat area soldering
- Suits for RTM torch model WT-1



### L-90H SPARKER LIGHTER

- Designed to ignite manual-start torches and appliances easily and quickly.
- The flints are replaceable, making it reliable for years of use.



### LP-F ADAPTOR

- Screw connect MAPP cylinder (7/16)"-28UNF and Torch CGA600(1"-20UNF) thread.



### W-1200 WELDING MAT

- Prevent burn damage when soldering or brazing
- The cut out shape enables the mat to be wrapped around pipe, reducing the risk of damage to surrounding area.
- Fibreglass material
- Size: 25cm\*25cm
- Resist Up to 1200 °C

## RTM21N series needle valve manifold

RTM21N series manifolds and accessories are portable tools developed by RTM company to adapt to the filling of refrigerants in air conditioning and refrigeration industry. The tools are compact in structure, zero leakage in normal use, and do not need special maintenance.

### Characteristics

- The design of needle valve is upgraded by rigid seal structure between metal surfaces, what conduces to durability and leakage free. Meanwhile the piston / ball valve is soft seal between metal and non-metal surfaces; the non-metal part is prone to age, attrite and deform, resulting in a shorter life and morelikely leagake.
- Needle valve switch is more operable than piston / ball valve, as well as a wider range and more precise in flow-rate adjustment.
- All threads of RTM Manifold are sealed by rigid structure between metal surfaces, what is resistant to aging, attrition and deformation, contributing to a better sealing performance as well as a longer service life.
- The manifold has a long-lasting self-inspection function against leakage.
- Each manifold is appvoed by a 12-hour continuous high pressure test before ex-work.
- The high precision Y-80 double-core refrigerant gauge in manifold is proof against crash and fatigue, with a service life more than 30,000 times of correct usage.
- The dashboard window make it easy to check the movement of refrigerant during charging and recovery.



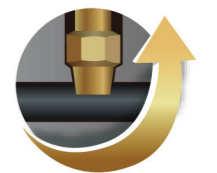
RTM21NH-AUTO



RTM21NH-AC

### RTM21NH-AUTO; RTM21NH-AC

Model	RTM21NH-AUTO	RTM21NH-AC
Refrigerants	ALL	ALL
Pressure scale	Low -30~550psi High -30~800psi	Low -30~550psi High -30~800psi
Connetion thread	1 / 4 "SAE standard thread	1 / 4 "SAE standard thread
Blind hole step	Hanging the ordinary quick coupler and R1234yf special quick coupler	5/16" SAE standard blind hole thread (The right end of valve body)
Tee branch pipe	The tee branch pipe is equipped with a valve core and a sealing cap. Pressing the sealing cap to open the valve to release the gas	The tee branch pipe is equipped with a valve core and a sealing cap. Pressing the sealing cap to open the valve to release the gas





## Charging Hoses

The three-layer anti leakage charging hose is suitable for all kinds of refrigerants. The connector is made of brass, the connector thread is under SAE standard, and the device end connector is equipped with valve core thimble, which is safe and reliable.



### RTM-1

**RTM-1B Blue hose thread 1 / 4 " - 1 / 4" SAE**

Model	RTM-1B36	RTM-1B48	RTM-1B60	RTM-1B72
Length	90cm	120cm	150cm	180cm

**RTM-1R Red hose thread 1 / 4 " - 1 / 4" SAE**

Model	RTM-1R36	RTM-1R48	RTM-1R60	RTM-1R72
Length	90cm	120cm	150cm	180cm

### RTM-2

**RTM-2B Blue hose thread 1 / 4 " - 5 / 16" SAE**

Model	RTM-2B36	RTM-2B48	RTM-2B60	RTM-2B72
Length	90cm	120cm	150cm	180cm

**RTM-2R Red hose thread 1 / 4 " - 5 / 16" SAE**

Model	RTM-2R36	RTM-2R48	RTM-2R60	RTM-2R72
Length	90cm	120cm	150cm	180cm

**RTM-1Y Yellow hose thread 1 / 4 " - 1 / 4" SAE**

Model	RTM-1Y36	RTM-1Y48	RTM-1Y60	RTM-1Y72
Length	90cm	120cm	150cm	180cm

**RTM-1Y Yellow hose thread 1 / 4 " - 1 / 4" SAE**

Model	RTM-1Y36	RTM-1Y48	RTM-1Y60	RTM-1Y72
Length	90cm	120cm	150cm	180cm

## RTM21YF

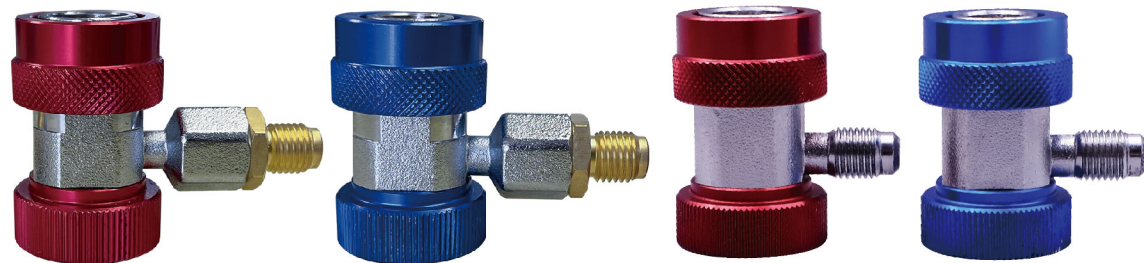
RTM21YF adjustable quick coupling is made of high quality brass by forming and CNC precision machining. It is suitable for R1234yf refrigerant system. The connecting thread is 1 / 4 "SAE standard thread, two in each set, with external M12 × 1.5 + external 1 / 4 "SAE thread connector. The red valve connects to the high-pressure end, and the blue valve connects to the low-pressure end. With RTM manifolds, It has the locking function that the connector adjustable valve can be connected with the equipment end only after it is closed, which can achieve quick connection and zero leakage when charge the refrigerant for the automobile and other refrigeration equipment.



Model	RTM21CPF	RTM21CP	RTM21YF
Refrigerants	R134a/R410	R134a/R410A	R1234YF
Connection thread	1 / 4 "SAE standard thread; external M14 × 1.5 + external 1 / 4 "SAE thread connector	1 / 4 "SAE standard thread	1 / 4 "SAE standard thread; external M12 × 1.5 + external 1 / 4 "SAE thread connector
Applicable model	RTM Series 2-Way Manifolds	RTM Series 2-Way Manifolds	RTM Series 2-Way Manifolds
Connection mode	Self-locking after insertion; The red valve connects to the high-pressure end, and the blue valve connects to the low-pressure end.	Self-locking after insertion; The red valve connects to the high-pressure end, and the blue valve connects to the low-pressure end.	The connector adjustable valve can be connected with the equipment end only after it is closed; The red valve connects to the high-pressure end, and the blue valve connects to the low-pressure end.

## RTM21CP

RTM21CP adjustable quick coupling is made of high-quality brass by forming and CNC precision machining. Each set has two quick couplings. The red valve connects to the high-pressure end and the blue valve connects to the low-pressure end. It is suitable for R134a / R410A and other types of refrigerants. The connecting thread is 1 / 4 "SAE standard thread. The way of connecting to the equipment is self-locking after insertion. With RTM manifold, it can achieve fast connection when fill the vehicle and other refrigeration equipment with refrigerants.



RTM21CPF

RTM21CP

## Versatile can tap valve — decap, gas-out and store

### Features:

1. realize refrigerant open-as-you-take
2. leakage free for long-term storage
3. integrated non-return valve, proof against in-case overpressure burst
4. unique design enable precise flow-rate adjustment



**RTM-338:** 1/4" SAE outlet valve bottom and female thread fitted with 12mm \* 1.25 can thread



**RTM-339:** 1/4" SAE outlet valve bottom and female thread fitted with 14mm \* 1.25 can thread



# Hydraulic Crimper

RTM hydraulic crimper which can crimp 20000pcs hose joints, Applicable to the maintenance of automotive air conditioning pipes for construction machinery, agricultural machinery, heavy trucks, light trucks, refrigerated trucks, excavators, combine harvesters, etc.  
According to the instruction manual, the hydraulic crimper ensures no oil spilling and fully meet the design requirements.



## 20000pcs joint crimping Piston force 8 ton **NO OIL-SPILLING**

Table: Module Group, Hose and Joint

NO.	Hose specification given conditions	Hose size inner diameter (mm)	Hose size Outer diameter (mm)	Hose fitting outer diameter(mm)	Remark
6SRB	5/16" , Dn8	$\Phi 8 \pm 0.4$	$\Phi 14.5 \sim 16.5$	Aluminium joint $\Phi 19.5$ Steel joint $\Phi 17.5$	Dn8 Thin-wall hose / Dn8
8SRB,6	5/16" , Dn8	$\Phi 8 \pm 0.4$	$\Phi 18.5 \sim 20.5$	Aluminium joint $\Phi 23.5$ Steel joint $\Phi 21.5$	Dn8 Thick-wall hose / Dn8
	13/32", 3/8", Dn10	$\Phi 10 \sim 11.5$	$\Phi 16.5 \sim 20.5$	Aluminium joint $\Phi 23.5$ Steel joint $\Phi 21.5$	Dn10 Thin-wall hose / Dn10
8	13/32" , Dn10	$\Phi 10 \sim 10.5$	$\Phi 22 \sim 23.5$	Aluminium joint $\Phi 26.5$ Steel joint $\Phi 24.6$	Dn10 Thick-wall hose / Dn10
10SRB	1/2" , Dn13	$\Phi 12.4 \sim 13.5$	$\Phi 19.5 \sim 22$	Aluminium joint $\Phi 25$	Dn13 Thin-wall hose / Dn13
10	1/2" , Dn13	$\Phi 12.4 \sim 13.5$	$\Phi 23 \sim 25.5$	Aluminium joint $\Phi 27.7$ Steel joint $\Phi 25.5$	Dn13 Thick-wall hose / Dn13
12SRB	5/8" , Dn16	$\Phi 14.8 \sim 16$	$\Phi 22.5 \sim 25$	Aluminium joint $\Phi 27.8$	Dn16 Thin-wall hose / Dn16
12	5/8" , Dn16	$\Phi 15 \sim 16.5$	$\Phi 28 \sim 29.5$	Aluminium joint $\Phi 32.5$	Dn16 Thick-wall hose / Dn16

Note: Be sure to use correct size die set! Failure to do could cause leakage or failure of the crimp.

Technical Index of RTM-S0106

Piston force	80 KN
Maximum travel of piston	14 mm
Hose dimension	Nominal diameter, Dn, 5/16"~5/8"(Reference outer diameter: $\Phi 17 \sim \Phi 30$ at 5MPa)
Standard module group	7
Operation mode	Manual
Ambient temperature	-10~ 60 °C
Arm strength	$\leq 75$ Kg
Crimping time	about 10 s
Noise level	$\leq 10$ db (Not detected)



RTM-S0106

# Memo

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