



## NINGBO YIHE REFRIGERATION EQUIPMENT CO., LTD.

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## MAPP GAS & WELDING TORCH

- FUEL CYLINDERS
- HEATING TORCH
- BRAZING KIT
- ACCESSORIES



# 2026



## FACTORY

Aerial view of the factory—one manufacturer producing the HVAC tools located in Ningbo, 9,000sqm land area. The other factory, producing the fuel cylinders, located in Quzhou city, 55,000sqm land area



ADD: WAN TAI INDUSTRIAL ZONE  
SHI PU, NINGBO, CHINA  
POST CODE: 315731



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.





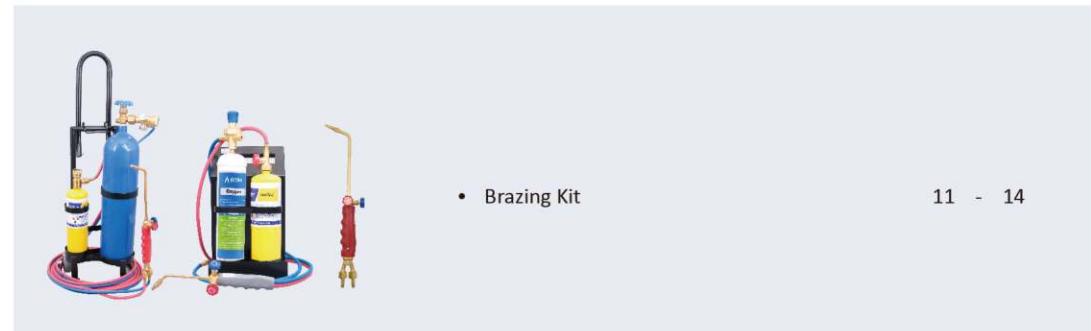
• Fuel Cylinders

1 - 2



• Heating Torch

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• Brazing Kit

11 - 14



• Accessories

15 - 20



## M PRO GAS FOR WELDING

PRO Gas Cylinder provides max heat output for efficient, fast soldering.

Flame temperature in air: 3,812°F/2,100°C

Ideal for

-  Copper pipe soldering/brazing
-  Automotive repair
-  Rust removal



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	FLAME TEMP IN AIR
 PRO GAS	3,812°F 2,100°C
 PROPANE	3,600°F 1,982°C



## P PROPANE FOR HEATING / SOFT SOLDERING

The 400g propane cylinder is compatible with standard propane torches.

Flame temperature in air: 3,600°F/1,982°C

Ideal for

-  Light heating/soft soldering
-  Kitchen work
-  Grilling
-  Roof heating works

Packing: 460×160×280mm(12bottles/CTN)



## P CAMPING GAS FOR OUTDOOR

The 453g lightweight universal tank fits all standard portable propane appliance.

Ideal for

-  Outdoor activities
-  Heating
-  Grilling

Packing: 420×315×215mm(12bottles/CTN)



## O OXYGEN-145 OXYGEN HAND TORCH CYLINDER

Provides 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.

Applied into kit of OX70 & OX70P -- page:11-12

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

Packing: 233×157×337mm(6bottles/CTN)

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



## B BUTANE FOR COOKING

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.

- Universal for portable butane stoves & torches
- Small heating jobs
- Bakery

Packing: 490×270×208mm(28bottles/CTN)



## RTM Heating Torch

RTM extensive line of the Mapp gas torches and burners are idea for brazing & soldering&heating applications on the Plumbing, HVAC, automotive repair, hardware and DIY jobs. It is famous for extremely turbo flame design of the maximum heating. These include heavy brass inter-structure and anti-flash-back design that make the torch to be outstanding and safe to use.



# HIGH HEAT TORCH



This high-heat torch delivers a powerful flame for professional soldering, enabling faster, more efficient work. 3 other torch tips for different applications.

Torch Model	RTM-030.115
Torch Tip Size	
Ideal For	Ø11.5mm A/C Welding
Torch Model	RTM-030.100
Torch Tip Size	
Ideal For	Ø10mm Plumbing
Torch Model	RTM-030.125
Torch Tip Size	
Ideal For	Ø12.5mm Roof Top etc.



Durable ignitor built for long-lasting performance.

Safe, non-leakage structure keeps the flame stable when using upside down.

4 other torch tips for different applications.

Torch Model	RTM-042.110	RTM-042.125
Torch Tip Size		
Ideal For	Plumbing	Roof Top
Torch Model	RTM-042.135	RTM-042.160
Other Torch Tip Size		
Ideal For	Heating	Bakery



## AVAILABLE KITS

- RTM-030TK01
- RTM-030 + Pro Gas
- RTM-030TK02
- RTM-030 + 2 x Pro Gas

**RTM-030**  
 PRO GAS   PROPANE



Optional Colors

## AVAILABLE KITS

- RTM-042TK01
- RTM-042 + Pro Gas
- RTM-042TK02
- RTM-042 + 2 x Pro Gas

**RTM-042**  
 PRO GAS   PROPANE



## HIGH HEAT TORCH



This high-heat torch boasts a swirl flame that remains stable even when inverted, delivering maximum heat output. It is ideal for a wide range of applications including soldering, heat-treating, auto repair, brazing, cooking, and woodworking.

- Instant ignition
- Smooth Flame Regulator
- Auto Flame Lock
- Ultra-heat swirl flame

### AVAILABLE KITS

RTM-033TK01  
RTM-033 + Pro Gas  
RTM-033TK02  
RTM-033 + 2 x Pro Gas



This portable high-heat torch features a swirl flame and detachable / replaceable stainless steel tip, plus an advanced regulator for one-handed flame adjustment.

- Instant ignition
- Smooth Flame Regulator
- Detachable & replaceable torch head
- Auto Flame Lock
- Ultra-heat swirl flame



## RTM-039



Compact multi-purpose propane torch delivers reliable performance for diverse applications.

- Household / Aluminum Soldering
- Loosening Rusted Nuts / Bolts / Screws
- Thawing Frozen Pipes / Locks



## RTM-036



## RTM-033



## WT-1



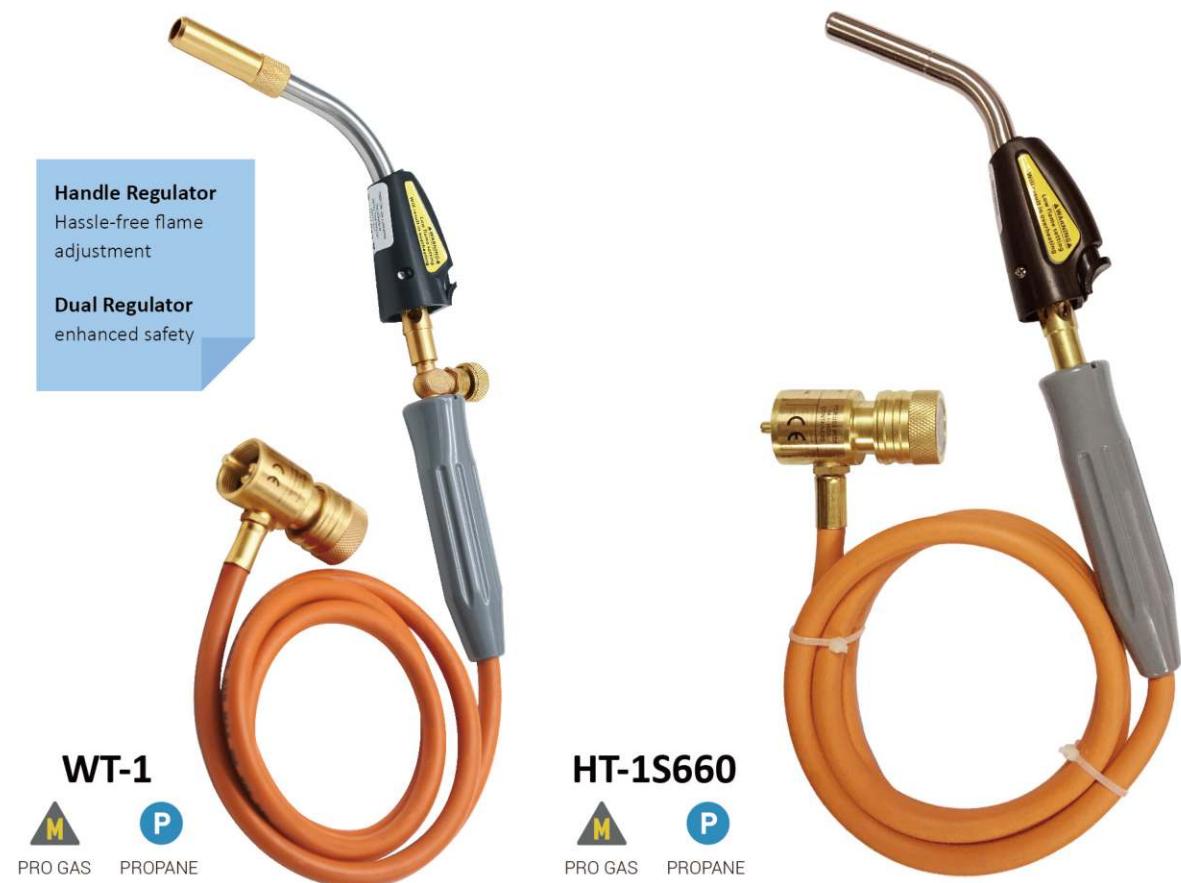
## HIGH HEAT TORCH WITH HOSE



## DUAL-BARRELS TORCH

Super swirl flame torch easily does soldering, brazing and heat-treating jobs in complex conditions.

- Brass tip: Heat-insulated to prevent accidental burns under optimal flame.
- Ignitor: Trigger start for easy lighting.
- Note: No operation under low-flame setting recommended.



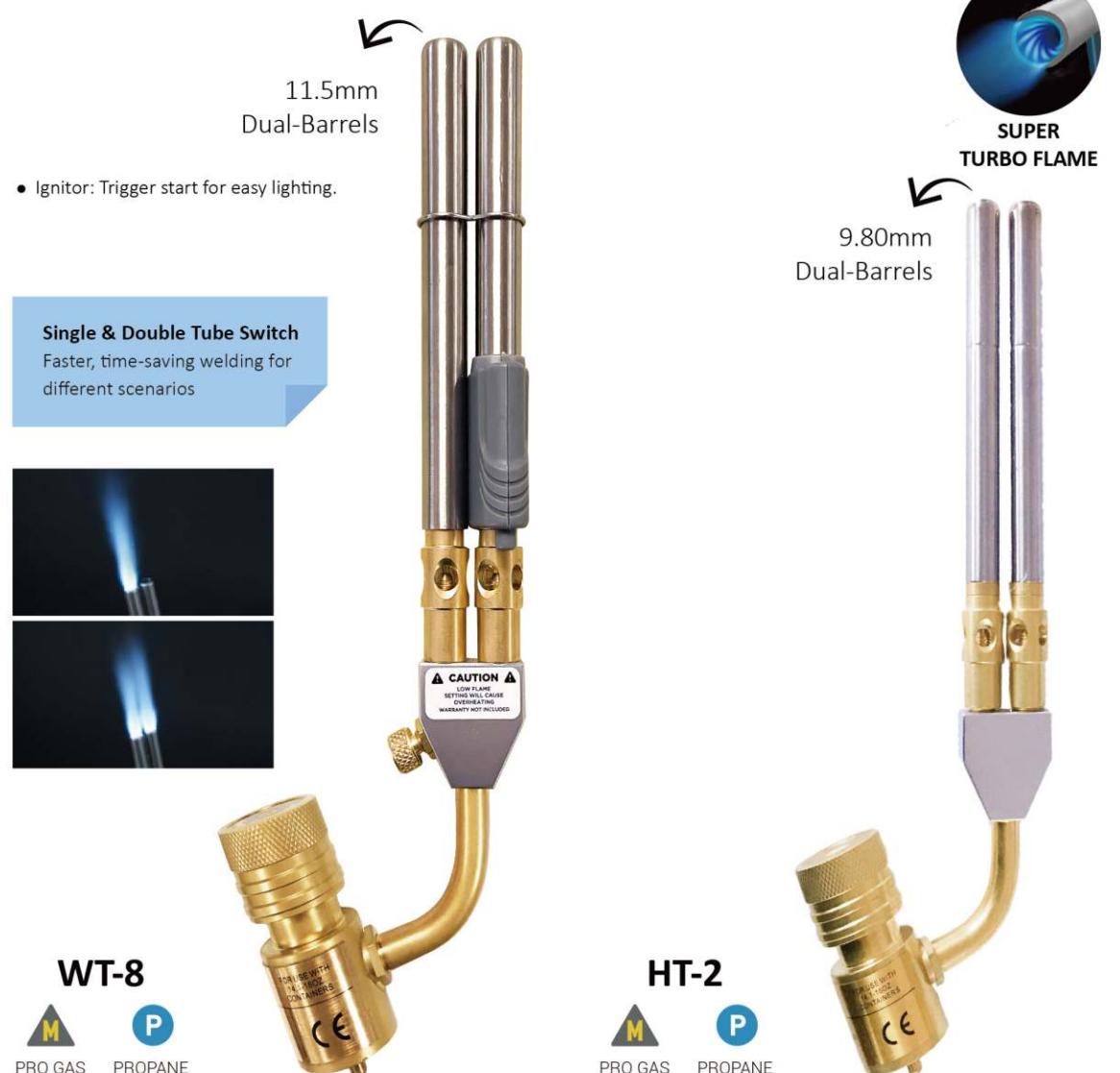
**WT-1**

PRO GAS PROPANE

**HT-1S660**

PRO GAS PROPANE

Applies for soldering & brazing & heating the bigger project with the double flames and provides stable flame when used upside down.



**WT-8**

PRO GAS PROPANE

**HT-2**

PRO GAS PROPANE

## DUAL-BARRELS TORCH WITH HOSE



## BRAZING TORCH

11.5mm dual-barrel hose torch with single /dual mode and wide welding diameter range is suitable for copper and other metals. Details in table attached.

- Ignitor: Trigger start for easy lighting.
- Dual regulator: enhanced safety and smooth flame adjustment.



Welding Range (Dual-Barrel Torch)		
Welded Metal Combination	Pipe Diameter x Wall Thickness	Notes
Stainless Steel + Carbon Steel	Φ100 mm x 4mm/ Φ4" x 5/32"(Max)	Flux-Cored Wire
Copper + Carbon Steel	Φ100mmx3.5mm/Φ3.94" x 9/64"	Flux-Cored Wire
Copper + Stainless Steel	Φ100mmx3.5mm/Φ3.94" x 9/64"	Flux-Cored Wire

### WT-10



PRO GAS PROPANE

The high heat torch is accessible for soldering & brazing & heating jobs in tight spaces and a stable flame when used upside down.

Model	Recommended Market	Model	Recommended Market
RTM-1S6	United States of America	HT-1S	Middle East and Africa&Southeast Asia
RTM-16		HT-1	



SUPER TURBO FLAME

### AVAILABLE KITS

HT-1STK01  
HT-1S + Pro Gas



### HT-1S



PRO GAS PROPANE

### RTM-1S6



PRO GAS PROPANE

### HT-1



PRO GAS PROPANE

### RTM-16



PRO GAS PROPANE

## RTM Brazing Kit

RTM mapp&oxygen lightweight & portable heavy duty torch kit features an adjustable flame and is perfect for cutting thin steel, brazing and welding. The advanced gas control system on handle makes it comfort and easy using. The built-in dual flashback arrestor design makes it safe on working.

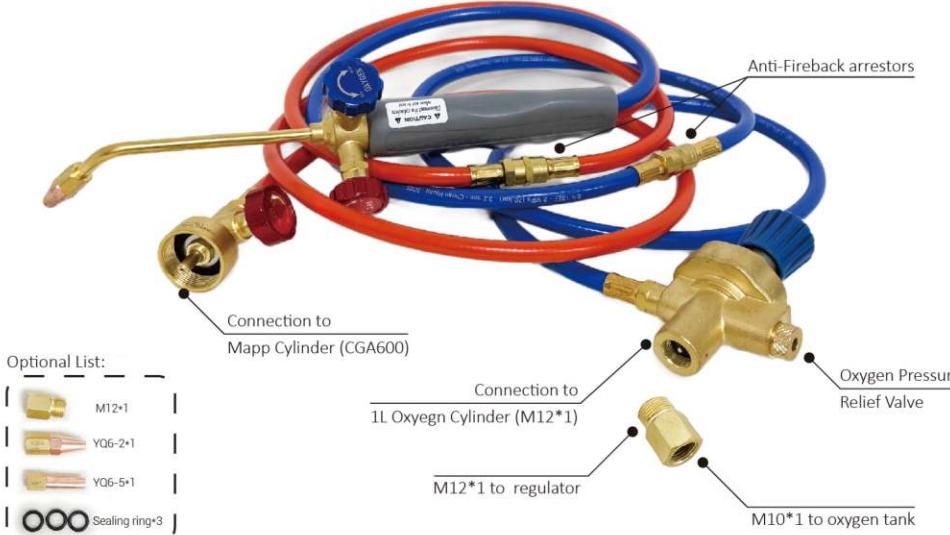




## MOT-044 Oxygen Torch

The Mapp & Oxygen torch kit with adjustable flame: ideal for brazing and light welding. Easy-to-use flame control knob on the handle for effortless operation.

- Precision valve for ultra-high temperature flame.
- Anti-flare and wind resistant design.
- Lightweight, replaceable and portable design for easy carrying.



MOT-044 SPECIFICATION			
DETAILS	NOTE	QTY	ITEM NO.
Oxygen Tube	Blue with 1.8m length	1	OXT-18
Mapp Tube	Red with 1.8m length	1	MPT18
Oxy Pressure With Relief Valve	When pressure up to setting range, automatically	1	PG004-40L
Oxy Cylinder Connection	M12*1(standard)	-	PG004-1L
Mapp Cylinder Connection	CGA600a	-	PG003R-600
Adaptor	Male:M12*1 Female:M10*1	1	ADP-M121

## Torch Kit



**OX70**

Compatible with CGA 600 thread MAPP and Europe type M12\*1 thread Oxygen Cylinder

**OX70G**

With Gauge

**OX70P**

Compatible with 7/16" thread MAPP

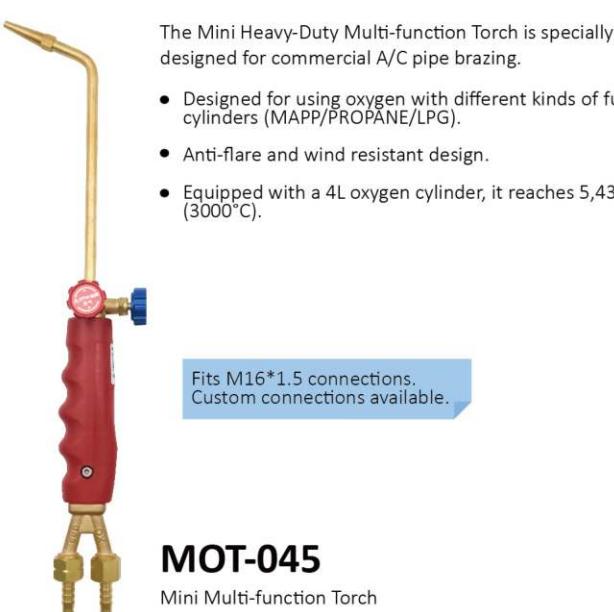
KIT SPECIFICATION				
PARTS LIST	FUNCTION	SPECIFICATION	QTY	ITEM NO.
Metal Carry Case	Two Bottle In Front And Torch At Back Side	Box Size: 20.3*16.3*34	1	KBT-001
Mapp	-	No Attached	0	PRO GAS
Oxygen	-	No Attached	0	OXYGEN-145
Goggles	For Eye Safety	-	1	GLE-001
Sparker	Igniting Tool	-	1	IGN-001
MAPP / OXY Torch	Dual Anti-Fireback Arrestor In 3 Position	OXY Anti Fireback Mapp Anti Fire Back Middle Part Of Tube	1	MOT-044
Nozzle		For Thick Tinplate Or Thinner Iron Tube Withing 3mm Thinckness	2	YQ6-2*1
		For Copper, Up To 40mm - 50mm	2	YQ6-5*1
Oring / Gasket	-	For Thick Tinplate Or Thinner Iron Tube	3	GST001
Adaptor	M121 Convert To M101 Convert	Male: M12*1, Female: M10*1	1	ADP-M121

## MINI MULTI-FUNCTION BRAZING KIT

## OXY/ACETYLENE BRAZING KIT



The mapp & oxygen torch kit features an adjustable flame: Easy-to-use flame control knob on the handle.



### MOT-045

Mini Multi-function Torch

KIT SPECIFICATION		
DETAILS	QTY	ITEM NO.
Mini Multi-function Torch	1	MOT-045
4L Oxygen Cylinder	1	OXY4L
1L Fuel Cylinder(MAPP/LPG/PROPANE)	1	PRO GAS
Mapp&4L Oxygen Kit Holder Cart	1	KHC-1
Oxygen Tube(Blue with 6m/10m/15m)	1	OXT60/OXT100/OXT150
Mapp Tube(Red with 6m/10m/15m)	1	MPT60/MPT100/MPT150
Mapp Reducer	1	PG003A-1
Oxygen Reducer	1	PG004-40L

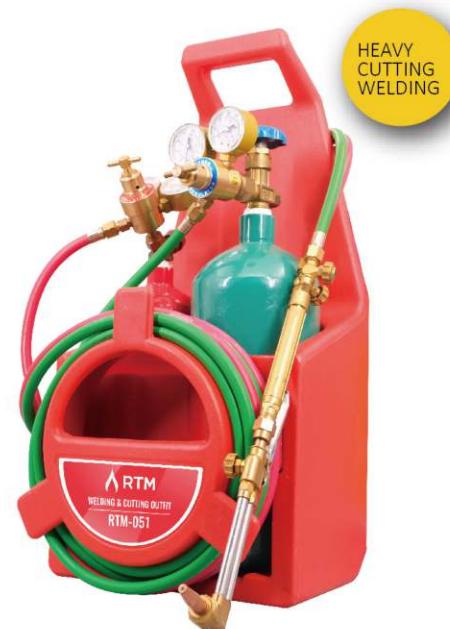


### RTM-052

Durable brass burn wand, independent fuel/oxygen controls & pressure regulation for consistent inverted performance

Portable welding & cutting kit: Includes 4L empty oxygen cylinder + 2L empty acetylene cylinder.

- Portable welding torch kit with 4L oxygen & 2L acetylene tanks.
- 4.5M\*4.8mm with flame retardancy hose .
- Oxygen reducer of CGA540 inlet and 9/16"-18 outlet, and acetylene reducer of CGA200 inlet and 9/16"-18 outlet.
- Capable of welding from O.D. 1/32" up to 1-1/4" with the appropriate welding nozzle.
- Capable of cutting from 1/2" up to 3/4" with the appropriate cutting tip.
- Larger welding and cutting tips are sold separately.



### RTM-051

Heavy-duty cutting tip for large-scale metal cutting projects



### RTM-054

Plumbing, HVAC, Refrigeration, Auto Repair, Hardware

## RTM Accessories

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RTM's wide range of accessories makes heating, welding and cutting more convenient and comfortable in our life.





## MAPP REDUCER



**PG003A-1**

- Compatible with 7/16" OR CGA600 MAPP fuel cylinders
- All brass material, and inlet 7/16" OR CGA600 and customized outlet thread
- Built-in flashback arrestor



**PG003R-600**

- Equipped with safety valve and flashback arrestor
- Designed to connect the CGA600 Mapp Gas Cylinder



**PG003R-617**

- Equipped with safety valve and flashback arrestor
- Designed to connect the 7/16" Mapp Gas Cylinder



**OXYGEN REDUCER WITH GUAGE**

**PG0041LG-KR**

- Only for Korea
- Equipped with gauge, safety valve and flashback arrestor
- Connection Port Specification: M16×1.5
- Lower Interface: W23-14
- Continuously reduce the pressure of the gas cylinder from 15~20MPa to 1~0MPa

## OXYGEN REDUCER



**PG004-1L**

- Equipped safety valve + flashback arrestor
- Compatible with European 1L oxygen cylinders with the M12×1 inlet thread
- All brass material, and inlet M12\*1 and customized outlet thread.



**PG004-40L**

- Equipped with gauge, safety valve and flashback arrestor
- Continuously reduce the pressure of the gas cylinder from 12~15MPa to 1~0MPa
- Brass material, and customized inlet and outlet thread



**PG004G**

- Equipped with gauge, safety valve and flashback arrestor
- Continuously reduce the pressure of the gas cylinder from 15~20MPa to 5~0MPa
- Brass material, and customized inlet and outlet thread
- Designed to connect the Europe 1L oxygen with the M12\*1 inlet thread cylinder



**LPG REDUCER WITH GUAGE**

**PG003ALPG-KR**

- Only for Korea
- Equipped with gauge, safety valve and flashback arrestor
- Connection Port Specification: M16×1.5
- Lower Interface: External Thread-7/8-14 LH UNF 2A
- Continuously reduce the pressure of the LPG cylinder from 4~5Bar to 1~0Bar.

Valve Type	Model	OX & TORCH KIT	Safety Valve	Flashback Arrestor	Brass Material	Gauge	Customizable Outlet Thread
MAPP REDUCER	PG003A-1	RTM-052	N/A	✓	✓	N/A	✓
MAPP REDUCER	PG003R-600	OX70	✓	✓	✓	N/A	✓
MAPP REDUCER	PG003R-716	OX70P	✓	✓	✓	N/A	✓
OXYGEN REDUCER	PG004-1L	OX70/OX70P	✓	✓	✓	N/A	✓
OXYGEN REDUCER	PG004-40L	RTM-052	✓	✓	✓	✓	✓
OXYGEN REDUCER	PG004G	OX70/OX70P	✓	✓	✓	✓	✓
KOREA OXYGEN REDUCER WITH GUAGE	PG0041LG-KR		✓	✓	✓	✓	✓
KOREA LPG REDUCER	PG003ALPG-KR		✓	✓	✓	✓	✓



## HEAT REFLECTOR GUARD

### L-70H

- Help to contain and concentrate heat during soldering&brazing
- Protect nearby surfaces from heat related damage



## FLAME SPREAD HEAD

### L-80H

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

## WELDING MAT

- Prevent burn damage when soldering or brazing
- Reducing the risk of damage to surrounding area
- Size: 20\*30cm or 25\*25cm
- Withstands 3,812°F (2,100°C) flame for over 1 minute.



### WMT-2030B WMT-2525B

- Pre-oxidized fiber material
- Resist Up to 1,000°C



### WMT-2030 WMT-2525

- Fibreglass material
- Resist Up to 1,100°C



## SPARKER LIGHTER

### L-90H

- Effortless, fast ignition for manual-start torches/appliances
- Replaceable flints for long-term reliability



## SAFETY GOGGLES

- Core optical density: OD10+
- Shields against stray laser light of 10,000W+
- Multi-band coverage: OD10+ rating across key wavelengths 180-540nm and 730-25,000nm
- Meets the standards of ANSI Z136.1 and EN207



GLE001



GLE002

## KIT HOLDER



KHC-1



KHC-2



KH-1



KH-2

ITEM NO.	Name	LxWxH	RING
KHC-1	Mapp&2L Oxygen Kit Holder Cart	Folded: 28cmx18cmx54.5cm Extended: 28cmx18cmx78cm	LargeΦ12.8cmSmallΦ8.3cm
KHC-2	Multifunctional Tool Kit Holder Cart	Folded: : 39x6.0x77cm Extended: 39x40x102cm	/
KH-1	Multifunctional Tool Kit Holder	18.9cmx8.4cmx34cm	Φ8cm
KH-2	Multifunctional Tool Kit Holder	21cmx17cmx31cm	LargeΦ8.45cmSmallΦ7.4cm



## 22.5" DEEP-BASE BARBECUE GRILL

- Air damper plate: Precise thermal control, with ease Adjusting the air damper helps the charcoal burn
- Thermometer: The temperature can be checked at any time
- Ash collector: Charcoal and debris can be easily removed
- Convenient storage rack: The bottom provides ample space and saves your barbecue tools



## BRAZING ROD

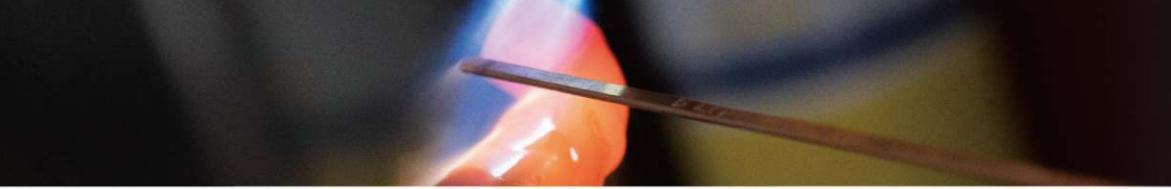
The product is used to braze copper and brass, and can braze joints with wide gaps. It is widely applied in air-condition&refrigeration industries.

INGREDIENTS	MELTING RANGE
0% Silver, 6.6%-7.4% Phosphorus, Ramainder Copper	710°C-820°C
2% Silver, 6.8%-7.2% Phosphorus, Ramainder Copper	643°C-788°C
5% Silver, 5.8%-6.2% Phosphorus, Ramainder Copper	645°C-815°C
6% Silver, 7%-7.5% Phosphorus, Ramainder Copper	643°C-724°C
15% Silver, 4.8%-5.2% Phosphorus, Ramainder Copper	645°C-800°C



## ALUMINUM/COPPER PHOSPHORUS BRAZING&WELDING ROD

Model	AL5	CP5
Features	<p>1. Useful for multiple tasks including soldering or repairing aluminum windows, doors, gutters and siding, and even sealing holes in boats</p> <p>2. These rods can also be used to build-up aluminum joints without distortion, discoloration, or loss of strength</p> <p>3. Working Temperature: 577°C-582°C</p> <p>4. Tensile Strength: 21,000PSI</p> <p>5. Includes 5pc 12-in. rods, 305*2.4mm</p>	<p>1. Perfect for joining copper pipes, electrical wires or flexible tubing. Intended for hard soldering, brazing.</p> <p>2. Working Temperature: 705°C-782°C</p> <p>3. Tensile Strength: 30000PSI</p> <p>4. Includes 5pcs 12-in. rods, 305*3.2*1.3mm</p>



104°C  
BOILING  
POINT

## RTMWF

SUITABLE FOR USE WITH NON-FLUXED SOLDER

Water Soluble Flux

50g Water Soluble Paste Flux



## RTMSWS

SUITABLE FOR USE WITH  
NON-FLUXED SOLDER

Solid Wire Solder

## Alloy Lead Free

1.6mm Diameter, 3oz(85.2g)

220°C MELTING POINT



## RTMRCS

SUITABLE FOR USE WITH  
NON-FLUXED SOLDER

Rosin Core Solder



## RTMACS

SUITABLE FOR USE WITH  
NON-FLUXED SOLDER

Acid Core Solder