



*FOCUS ON THE NEEDS OF GAS FITTING*

*DURABLE / SAFTY / GREEN / CUSTOMIZATION*

*PROPANE / NATURAL GAS / LP GAS PRODUCTS*



# INTRODUCTION OVERVIEW

## Company Overview

Yuanming Factory locates Ningbo, China. We focus on the propane fitting with more 15 years experience, offering hundreds of items for our clients, like as thermocouple, igniter, pilot burner, solenoid valve, ball valve, copper hose, stove parts, tank adapter, Gas thermostatic valve and so forth. The OEM is available. To help our customer expanding business, we are a stable and honest business partner, not only the product supplier.

## Our Advantages:

### Original Factory

We have 10 subdivision sections to support the factory production, like as Business Department, Technical Division, Raw Materials Purchasing Department, QC Section, Production Department, Packing Section, Storage Division and Shipping Division, and Finance Department.

Our CEO are professional on the propane fitting production, and focus on the gas and propane adapter connecting standards with more 15 years experience.

Our Engineers have more 5-10 years experience in this field.

Our Machinists are skillful on the CNC Lathes, Terminal Machines, and some special fixtures.

### OEM Service

We partner with visionary brands to bring ideas to life. Our advanced OEM solutions offer custom manufacturing, strict quality control, and seamless integration.

### Brand Protection

Your brand is your most valuable asset. We safeguard it from counterfeits and unauthorized sales that drain your revenue and damage customer trust.

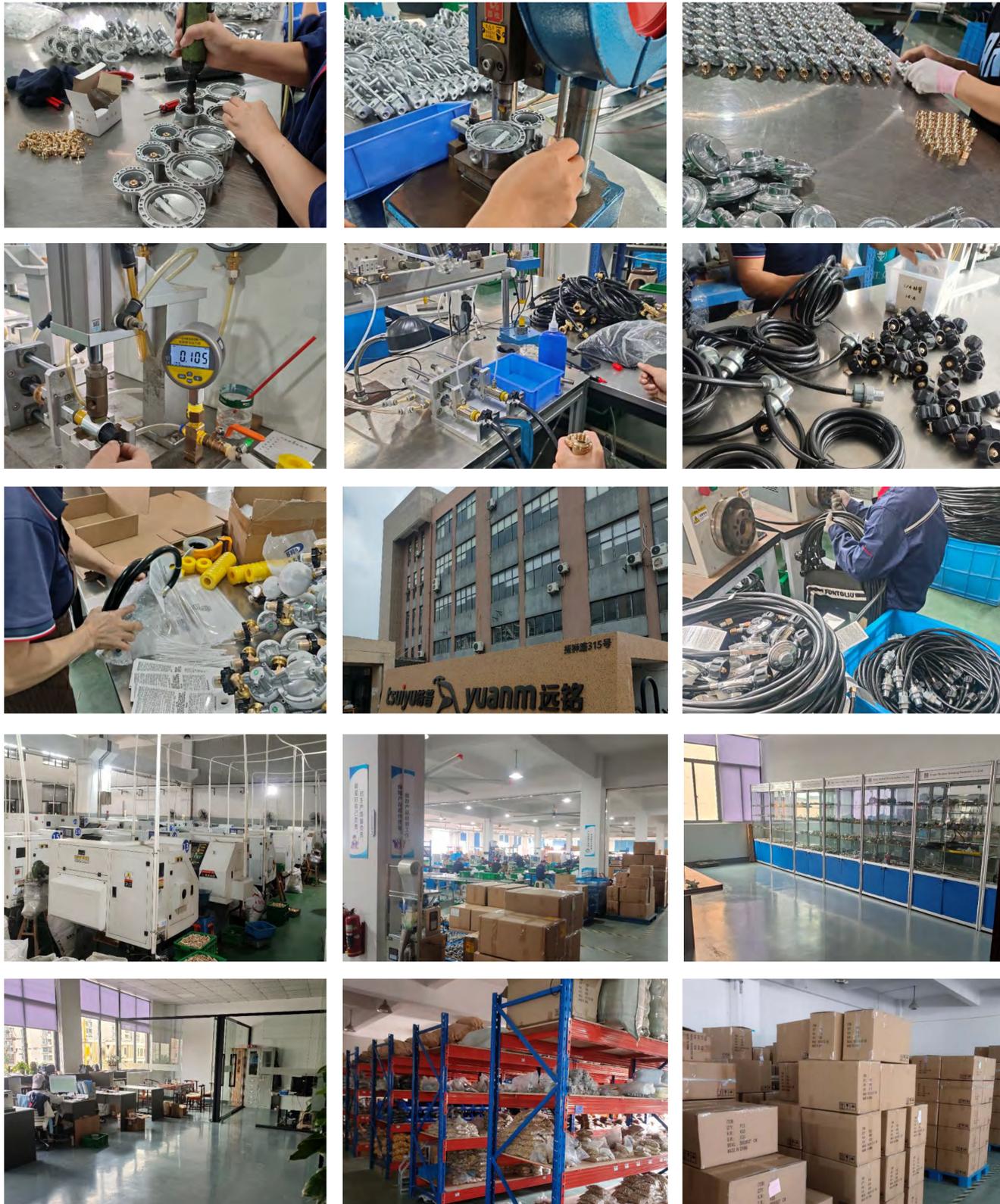
Our proactive protection solutions secure your reputation and your bottom line.

### Mini Order Available

The Mini order is available. We understand there many customers need some little samples to testing and trial assembly. We accept and support customer to explore the market condition, and help them to save money.

### Various transportation

We are not only ship the goods by sea, but also by air, by land and multi-shipping. We have many years cooperation with DHL, Fedex, UPS, TNT express company, and provide the cheap and fast shipping to support customers to respond to the market more quickly





宁波市鄞州远铭五金有限公司  
NINGBO YINZHOU YUANMING HARDWARE CO., LTD

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ADD: #315 Zhenshi Road, Jiangshan Town, Yinzhou District  
Ningbo, 315191, China  
Tel: +86 574 8809 4903  
Fax: +86 574 8814 1501  
E-mail: sale@propanefitting.com  
Website: www.ymgas.com / www.propanefitting.com

# Product Description



## Product Description

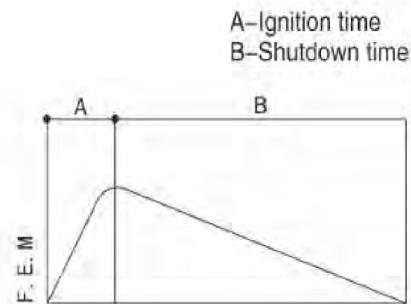
When the thermotive junction of the thermocouple is heated by the burner, an electromotive force is generated, causing current to flow to the coil of the magnet unit. Under this condition, the contact pole piece of the magnet unit is pressed against the magnet by the push rod and is held in place by magnetic attraction. Even if the push rod is released, the gas passage remains open. However, if the flame is extinguished and the thermocouple junction cools, the electromotive force ceases. As a result, the magnet no longer holds the contact pole piece, and the spring's elasticity causes the valve to return to its closed position, thereby shutting off the gas passage



## Technical Data

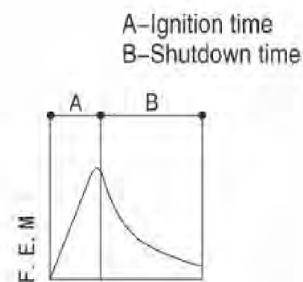
### Common type

- Ignition time  $\leq 6$  seconds
- Shutdown time  $\leq 30 - 60$  seconds
- F.E.M. at  $100^\circ\text{C}$   $\geq 2$  mV
- Resistance Design digit  $\pm 4$  m $\Omega$
- Maximum tip temperature  $800^\circ\text{C}$
- Fixing connector torque  $\sim 3$  Nm
- Minimum bending radius  $\geq 15$  mm



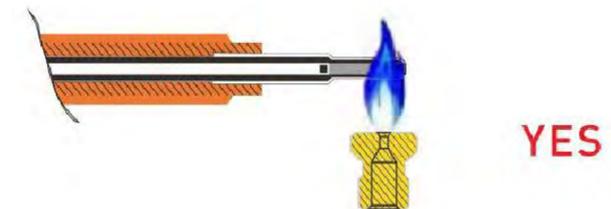
### Fast-type

- Ignition time  $\leq 2$  seconds
- Shutdown time  $\leq 15$  seconds
- F.E.M. at  $100^\circ\text{C}$   $\geq 2$  mV
- Resistance Design digit  $\pm 4$  m $\Omega$
- Maximum tip temperature  $800^\circ\text{C}$
- Fixing connector torque  $\sim 3$  Nm
- Minimum bending radius  $\geq 15$  mm



**A:** To prevent component breakage, the thermocouple set shall not be critically twisted or bent. The maximum bend must maintain a radius of no less than 15 mm.

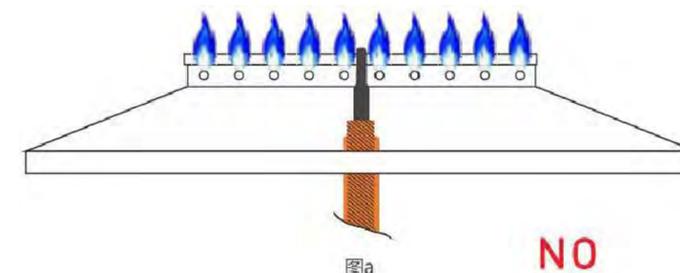
**B:** The thermocouple shall be installed such that precisely 5 mm of the hot junction tip is within the effective flame.



**C:** If the flame moves away from the hot junction and toward the cold junction, the temperature difference between the two points decreases. This results in a reduced electromotive force (EMF) and lower system efficiency.



**D:** If the flame moves away from the hot junction and toward the cold junction, the temperature difference between the two points decreases. This results in a reduced electromotive force (EMF) and lower system efficiency.





# Certificate of Compliance

**Certificate:** 80119242                      **Master Contract:** 271740  
**Project:** 80119242                        **Date Issued:** 2022-06-09  
**Issued To:** Ningbo Yinzhou Yuanming Hardware Co., Ltd  
 NO.8 Gaoya Road,  
 Jiangshan Town,  
 Yinzhou District  
 Ningbo, Zhejiang, 315191  
 China  
  
**Attention:** Qingwei Zhao

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:**  *Gavin Feng*  
 Gavin Feng

**PRODUCTS**

CLASS - C337108 - VALVES (GAS) General Use  
 CLASS - C337188 - VALVES (GAS) General Use-Certified to U.S. Standards

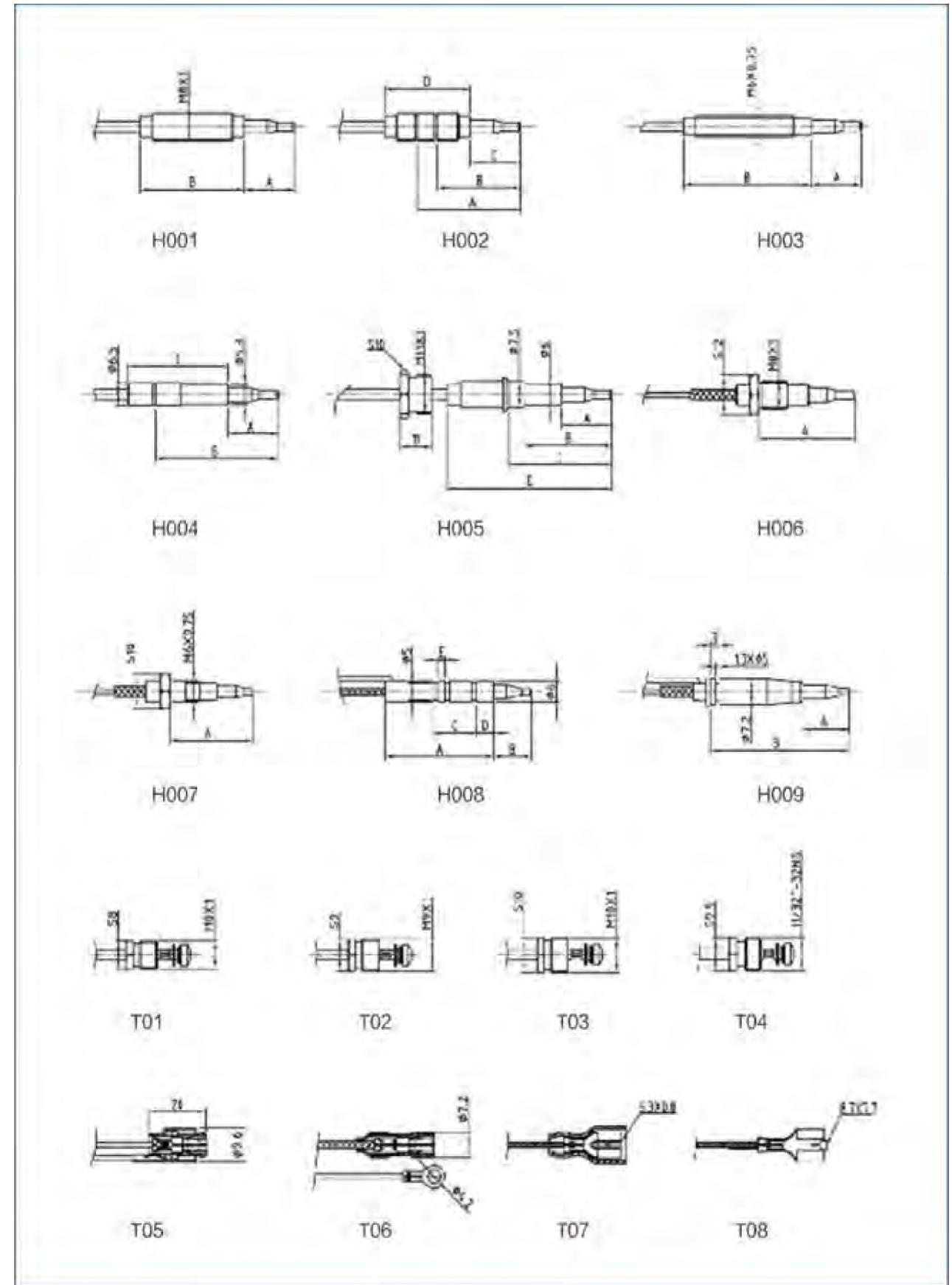
Gas ball valve. For Use With Natural Manufactured, Mixed, Liquefied Petroleum or Propane Gases and LP Gas-Air Mixtures

Models: YMBV001, YMBV002

**APPLICABLE REQUIREMENTS**

CSA/ANSI Z21.15:21•CSA 9.1:21

Manually Operated Gas Valves For Appliances, Appliance Connector Valves And Hose End Valves.



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# Thermocouple



A thermocouple, also referred to as a thermoelectric thermometer, is an electrical device composed of two dissimilar electrical conductors that form an electrical junction. Due to the Seebeck effect, this junction generates a voltage that correlates with temperature, which can thus be interpreted to measure temperature. As a result, thermocouples are widely used as temperature sensors.

When used as a control device in a gas lantern, the thermocouple is mounted so that its measuring junction is heated by a burning flame. The electric current generated is sent through an electromagnet.

As long as the current flows, the electromagnet holds open a valve that allows gas to reach the appliance. If the pilot light goes out, the measuring junction cools off, no current flows, and the electromagnet releases the valve, shutting off the gas. Saving Gas, Check again! Saving Energy, Check again! Safety Protection, Check again!

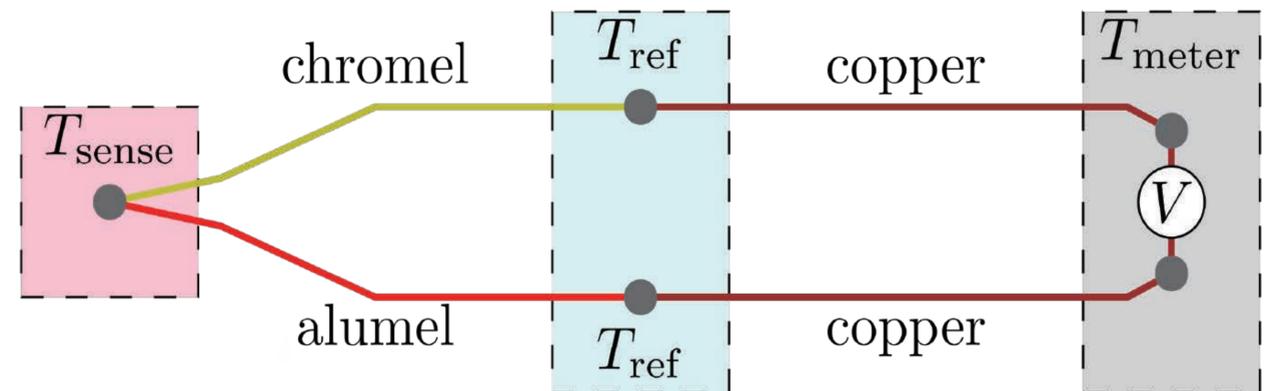
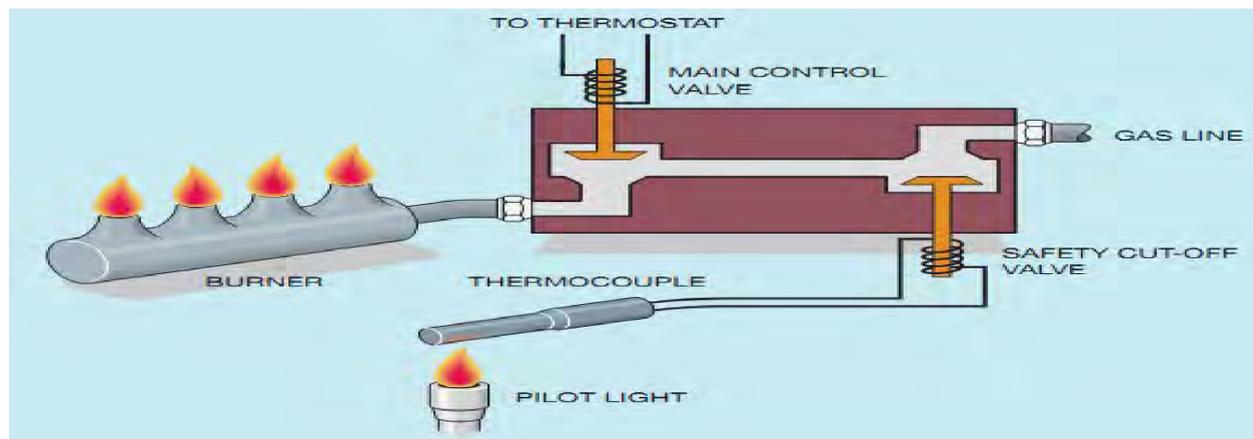
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|           |           |           |           |           |           |
| YM01A0001 | YM01A0002 | YM01A0003 | YM01A0004 | YM01A0005 | YM01A0006 |
|           |           |           |           |           |           |
| YM01A0007 | YM01A0008 | YM01A0009 | YM01A0010 | YM01A0011 | YM01A0012 |

# Thermocouple

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| YM01A0013   | YM01A0014   | YM01A0015   | YM01A0016   | YM01A0017   | YM01A0018   |
|  |  |  |  |  |   |
| YM01A0019   | YM01A0020   | YM01A0021   | YM01A0022   | YM01A0023   | YM01A0024   |
|  |  |  |  |  |  |
| YM01A0025   | YM01A0026   | YM01A0027   | YM01A0028   | YM01A0029   | YM01A0030   |

# Thermocouple

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|  |  |  |  |  |  |
| YM01A0031   | YM01A0032   | YM01A0033   | YM01A0034   |  |  |



## Gas Pilot Burner



*A pilot burner is a small gas flame, usually natural gas or liquefied petroleum gas, which serves as an ignition source for a more powerful gas burner. Originally a pilot burner was kept permanently alight, but this wastes gas. Now it is more common to light a burner electrically, but gas pilot lights are still used when a high energy ignition source is necessary, as in when lighting a large burner.*

*Yuanming is an original factory in the pronape and gas fittings products, We have the advantage of OEM, ODM & OBM service with more 10 years experience. Our Machinists are skillful on the CNC Lathes, Terminal Machines, and some special fixtures. We can process and produce various different size parts basing on the drawing from our technical division, and ensure a very low defect rate, that's why we have a competitive price to support our customers' market demands.*

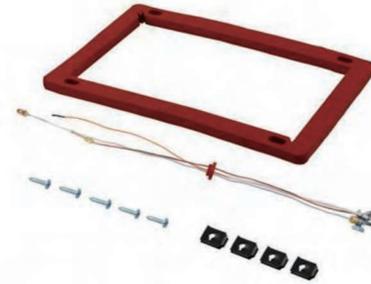
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|          |          |          |          |          |          |
| YM030001 | YM030002 | YM030003 | YM030004 | YM030005 | YM030006 |
|          |          |          |          |          |          |
| YM030007 | YM030008 | YM030009 | YM030010 | YM030011 | YM030012 |

# Gas Pilot Burner

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| YM030013  | YM030014  | YM030015  | YM030016  | YM030017  | YM030018  |
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| YM030019  | YM030020  | YM030021  | YM030022  | YM030023  | YM030024  |
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| YM030025  | YM030026  | YM030027  | YM030028  | YM030029  | YM030030  |

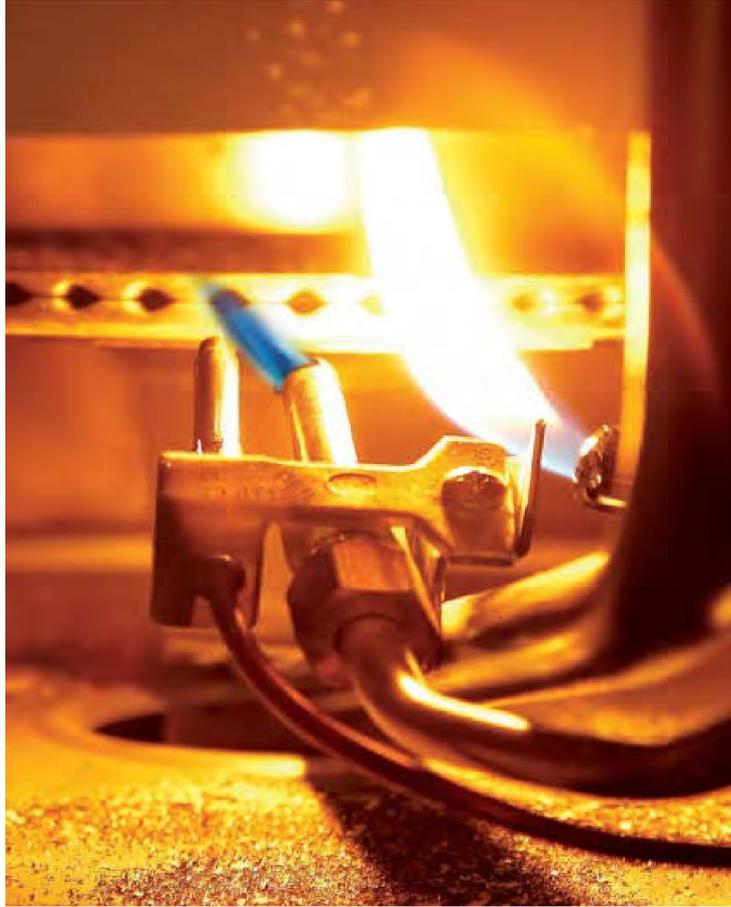


# Gas Pilot Burner

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| YM030031  | YM030032  | YM030033  | YM030034  | YM030035  | YM030036  |
|   |   |  |   |  |   |
| YM030037  | YM030038  | YM030039  | YM030040  | YM030041  | YM030042  |
|  |  |   |  |  |  |
| YM030043  | YM030044  | YM030045  | YM030046  | YM030047  | YM030048  |

# Gas Pilot Burner

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| <p>YM030049</p>   | <p>YM030050</p>   |  |  |  |  |



# High Pressure Gas Hose

What's the advantage for the high pressure gas hose?

*High-Heat Applications:* Needed for appliances that require a high volume of gas for maximum heat output, such as large cast-iron burners, fryers, or certain high-heat stoves.

*Safety:* By regulating the pressure, it prevents the appliance from being damaged by the high pressure coming directly from the tank.

*Control:* Adjustable models allow for precise control over the flame intensity for different cooking needs.



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| YM040001  | YM040002  | YM040003  | YM040004  | YM040005  | YM040006  |
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| YM040007  | YM040008  | YM040009  | YM040010  | YM040011  | YM040012  |

# High Pressure Gas Hose

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| YM040013  | YM040014  | YM040015  | YM040016  | YM040017  | YM040018  |
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| YM040019  | YM040020  | YM040021  | YM040022  | YM040023  | YM040024  |
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| YM040025  | YM040026  | YM040027  | YM040028  | YM040029  | YM040030  |



# High Pressure Gas Hose

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|    |    |    |    |    |    |
| YM040031  | YM040032  | YM040033  | YM040034  | YM040035  | YM040036  |
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| YM040037  | YM040038  | YM040039  | YM040040  | YM040041  | YM040042  |
|  |  |  |  |  |  |
| YM040043  | YM040044  | YM040045  | YM040046  | YM040047  | YM040048  |

# High Pressure Gas Hose

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|    |    |    |    |    |    |
| YM040049  | YM040050  | YM040051  | YM040052  | YM040053  | YM040054  |
|  |  |  |  |   |  |
| YM040055  | YM040056  | YM040057  | YM040058  | YM040059  | YM040060  |
|  |  |  |  |  |  |
| YM040061  | YM040062  | YM040063  | YM040064  | YM040065  | YM040066  |

## High Pressure / Low Press Gas Hose



A low-pressure gas hose is a flexible connector used for gas appliances, specifically designed for low-pressure applications, typically less than one PSI. These hoses are often made of materials like PVC or rubber and connect a gas supply, after it has been regulated, to an appliance like a gas grill, stove, or patio heater. For the transfer of propane gas in low pressure connections including outdoor gas grills, camp stoves, smokers and more.

### Characteristics:



\* **Pressure Rating:** Designed for low pressure, commonly up to 1 PSI for certain applications like propane grills, and up to 300 PSI for general low-pressure gas applications.

\* **Materials:** Frequently constructed from PVC or synthetic rubber compounds, making them lightweight, easy to handle and installation.

\* **Connection:** Connects gas appliances to a source after the pressure has been regulated down from the tank.

\* **Typical appliances:** Used for connecting propane tanks to outdoor grills, camp stoves, and fire pits, as well as for natural gas appliances like heaters and stoves.

\* **Safety:** It's important to always use a proper regulator to reduce the gas pressure to the appropriate level for the hose, and to perform leak tests on all connections before use

# Low Pressure Gas Hose

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| YM050001  | YM050002  | YM050003   | YM050004  | YM050005  | YM050006  |
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| YM050007  | YM050008  | YM050009   | YM050010  | YM050011  | YM050012  |
|  |  |  |  |  |  |
| YM050013  | YM050014  | YM050015   | YM050016  | YM050017  | YM050018  |

## Gas Quick Connector

The gas quick connector as a part of propane fitting, which adds a convenient and safe connection or disconnection method that automatically shuts off airflow when disconnecting the hose connection. It's used to connect female pipes with same diameters, or extending the pipe length. Apply to plumbing connections, compressed air, hydraulic, refrigeration, instrumentation, gas and other applications, hex nipples for easy tightening and loosening.



The materials are all made of solid brass. The brass quick connectors are durable and corrosion-resistant. Brass is known for its strength and reliability, making it a popular choice for gas fitting. For those seeking enhanced protection, our stainless steel options are perfect. Stainless steel fittings resist rust and wear, providing an extra layer of durability.

There are different sizes of quick-connect fittings, including 1/2", 1/4", 3/4", 3/8", and 1". Each size serves a specific application, so choosing the right one for your setup is crucial. For instance, larger fittings are typically used in commercial settings where higher gas flow is required, while smaller sizes may suffice for residential appliances.

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| YM060001  | YM060002  | YM060003  | YM060004  | YM060005  | YM060006  |

# High Pressure Gas Hose

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|    |    |     |    |    |    |
| YM060007  | YM060008  | YM060009  | YM060010  | YM060011  | YM060012  |
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| YM060013  | YM060014  | YM060015  | YM060016  | YM060017  | YM060018  |
|  |  |  |  |  |  |
| YM060019  | YM060020  | YM060021  | YM060022  | YM060023  | YM060024  |

## Gas Tank Adapter

*Introducing the Universal LPG Tank Adapter Propane Tank Converter, the perfect solution for your propane tank needs. This propane tank adapter is designed to convert your propane refill tank into a gas heater part, making it a versatile addition to your inventory.*

*Propane tank adapter with gauge are perfect for use with gas grills, heaters, smokers, camping stoves, lanterns, tabletop grills, fire pit tables, turkey fryers and many more propane appliances.*

*there are major differences in usage between different countries. Even within a single country more than one type can be in use for a specific application. This requires adequate tooling and adapters for replenishment in multiple countries. Yuanming is an original factory, we have 56 CNC machines, which could provide the most of size adapters to meet your local market requirements, like as 1" 1/2" 1/4" 3/4" 3/8" 5/8" 7/16" basing on the standards of ACME, SAEF, CGA600, SANS 10019, SNI 1591, EN 15202, DIN 477-1, and so forth.*



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| YM070001 | YM020002 | YM070003 | YM070004 | YM070005 | YM070006 |

# Gas Tank Adapter

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| YM070007  | YM070008  | YM070009  | YM070010  | YM070011  | YM070012  |
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| YM070013  | YM070014  | YM070015  | YM070016  | YM070017  | YM070018  |
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| YM070020  | YM070021  | YM070022  | YM070023  | YM070024  | YM070025  |

# Gas Tank Adapter

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|    |    |    |    |    |    |
| YM070026  | YM070027  | YM070028  | YM070029  | YM070030  | YM070031  |
|  |  |  |  |  |  |
| YM070032  | YM070033  | YM070034  | YM070035  | YM070036  | YM070038  |
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| YM070039  | YM070040  | YM070041  | YM070042  | YM070043  | YM070044  |

# Gas Tank Adapter

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|   |  |  |  |  |  |
| <p>YM070046</p>  | <p>YM070047</p>   | <p>YM070048</p>  | <p>YM070049</p>   | <p>YM070050</p>   | <p>YM070051</p>   |
|  |   |  |   |   |   |
| <p>YM070052</p>  |   |  |   |   |   |

## High Pressure Gas Regulator

A high-pressure gas regulator is a device that reduces a high-pressure gas source, like a cylinder or pipeline, to a lower, safer, and more consistent pressure for a specific application. It is built with robust materials to handle high initial pressures and ensures a steady downstream output pressure to protect equipment, ensure safety, and maintain operational efficiency in various industrial, medical, and laboratory settings.



### Characteristics:

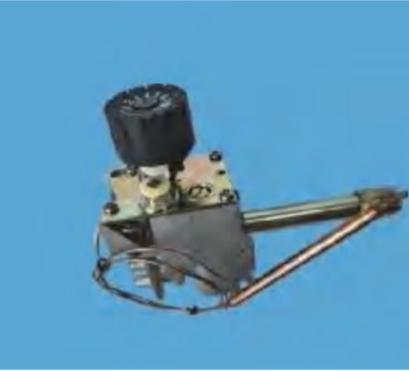
- \* **Pressure reduction:** The primary function is to take gas from a high-pressure supply and lower it to a workable, lower pressure.
- \* **Constant outlet pressure:** It maintains a stable output pressure, even if the inlet pressure from the source fluctuates.
- \* **Protection:** It safeguards downstream equipment from high-pressure damage, extending the life of the system.
- \* **Safety:** By controlling the pressure, it prevents overpressure conditions that could damage equipment or cause harm to workers.
- \* **Versatility:** These regulators are used in a wide variety of applications, including welding, chemical plants, oil and gas, and laboratories for analytical instruments.
- \* **Robust construction:** High-pressure regulators are made from strong materials to withstand high pressures and demanding environments.

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|  |  |  |  |  |  |
| YM090001  | YM090002  | YM090003  | YM090004  | YM090005  | YM090006  |

# High Pressure Gas Regulator

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|---|---|--|--|---|---|
|    |    |   |   |    |    |
| YM090007  | YM090008  | YM090009   | YM090010   | YM090011  | YM090012  |
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|   | YM090014  | YM090015   | YM090016   | YM090017  | YM090018  |
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| YM090019  |   |  |  |   |   |

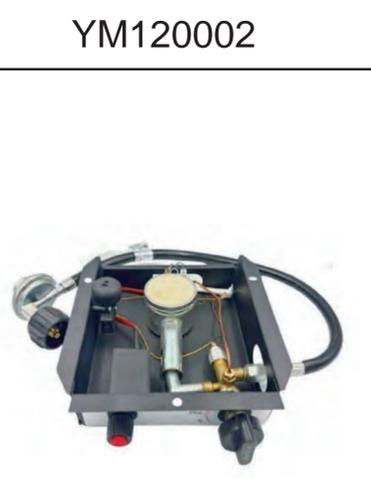
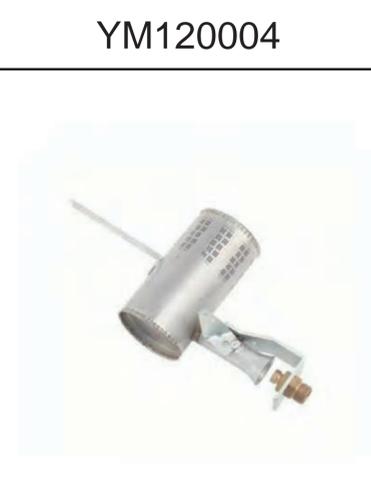
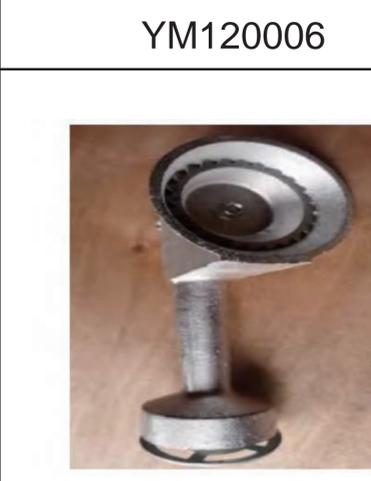
# Gas Valve

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|    |    |    |    |    |    |
| YM110001  | YM110002  | YM110003  | YM110004  | YM110005  | YM110006  |
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| YM110007  | YM110008  | YM110009  | YM110010  | YM110011  | YM110012  |
|  |  |  |  |  |  |
| YM110013  | YM110014  | YM110015  | YM110016  | YM110017  | YM110018  |

# Gas Valve

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| YM110019  | YM110020  | YM110021  | YM110022  | YM110023  | YM110024  |
|  |  |  |  |  |  |
| YM110025  | YM110026  | YM110027  | YM110028  | YM110029  | YM110030  |
|  |   |   |   |   |   |
| YM110031  |   |   |   |   |   |

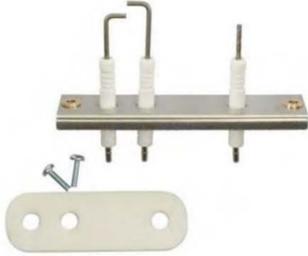
# Gas Burner Kit

|   |   |  |   |   |   |
|---|---|--|---|---|---|
|    |    |    |    |    |    |
| YM120001  | YM120002  | YM120003   | YM120004  | YM120005  | YM120006  |
|   |   |   |   |   |   |
| YM120007  | YM120008  | YM120009   | YM120010  | YM120011  | YM120012  |
|  |  |  |  |  |  |
| YM120013  | YM120014  | YM120015   | YM120016  | YM120017  | YM120018  |

## Gas Burner Kit

|   |   |   |   |   |  |
|---|---|---|---|---|--|
|  |  |  |  |  |  |
| YM120019  | YM120020  | YM120021  | YM120022  | YM120023  |  |

# Gas Stove Accessories

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|    |    |     |    |    |    |
| YM130001  | YM130002  | YM130003  | YM130004  | YM130005  | YM130006  |
|  |  |  |  |  |  |
| YM130007  | YM130008  | YM130009  | YM130010  | YM130011  | YM130012  |
|  |  |  |  |  |  |
| YM130013  | YM130014  | YM130015  | YM130016  | YM130017  | YM130018  |

## Gas Stove Accessories

|   |   |  |   |   |   |
|---|---|--|---|---|---|
|    |    |   |    |    |  |
| YM130019  | YM130020  | YM130021   | YM130022  | YM130023  | YM130024  |
|  |  |  |  |  |   |
| YM130025  | YM130026  | YM130027   | YM130028  | YM130029  |   |