Gas Burner Instructions

Thank you for your support of the **MANniu** burner series. To ensure your safety, please read the following instructions carefully before using the device.

I. Installation

1. The stove uses LPG or LNG cylinders, depending on the models. Please check the model you have before installation.
2. For medium-pressure models, working pressure is 1.0 - 3.0 kg/hr, with gas output of 1,000 - 3,000 MM/H20.
3. For low-pressure models, working pressure is 1.5 kg/hr, with gas output of 500 MM/H20.
4. Be sure to use oil resistant hoses with an inner diameter Φ of 10 MM (spacing of hoses 1 – 2 M). Gas source should be clamp fastened, and tested with soap water for leaks. Gas hoses should be replaced every two years; metal hoses are recommended.
5. Be sure to keep the device in a place with appropriate ventilation, on a horizontal hearth of non-combustible material. Clearance to ceiling should be above 2 M or be sure to use non-combustible materials for ceilings.
6. The kitchen area should be no less than 2 x 2 square meters, with exhaust fans installed. Never install the device in a confined space or bedroom.

II. Instructions

1. Please make sure to close all the knob valves of the stove before turning on the Gas Tank.
2. For universal-valve stoves, please use the electronic torch to ignite the kindling (keep pilot fire) before starting up the main fire.
3. For medium-pressure electronic valve stoves, please turn the knob  90 ° counterclockwise to  and use the electronic torch to ignite the kindling. Turn counterclockwise to  for maximum power. Turn the knob back to  until you hear a click will turn off the device.
4. For low-pressure electronic valve stoves, please press down the knob  and turn it counterclockwise to . Use the electronic torch to ignite the kindling. It is also for maximum power. Turn counterclockwise to  for double-circle medium power. Turn the knob back to  until you hear a click will turn off the device.

III. Cautions

1. Always use the device in a place with appropriate ventilation (at least 30 times air demand). Never use it in a confined space to avoid inadequate combustion that results in CO.
2. Keep the device away from inflammable materials. Place the device 1 – 2 M away from the Gas Tank (less than 1 M or more than 2 M is unsafe). The room temperature should be below 60°C.
3. As it takes time for LPG/LNG to gasify, please use one Gas Tank for one stove when using it over a long time for maximum power. Otherwise it may cause poor gasification. If necessary, two Gas Tanks can be used for one stove.
4. The stoves should be equipped with pressure adjustment valves that comply with the specifications for the gas supply (Gas Tank). Pressure adjustment valves can prevent backfire to some extent, but cannot guarantee total safety.
5. Please always attend to the stove when in use. Children should never use

the device without adult supervision. For your safety, please always turn off the Gas Tank after using.

IV. Troubleshooting

Problem	Possible cause	Solution
Fire back phenomena	Air supply is too large	Turn down the air valve
	The nozzle of air supply is clogged	Punch through nozzle by thin steel wire
	The bottom of pan bank fire	Heighten the space of pan properly
	Flame plate and burner head don't fit with each other	Adjust the flame plate's to fit
Fire flight phenomena	Air supply is too large	Turn down the air valve
	Fire port is clogged	Clear the foreign matter in the fire port
	Environment wind speed is too large	Should make wind resistant ring
Yellow flame phenomena	Air supply is not enough	Turn up the air valve appropriately
	Gas source's nozzle deviate from middle ⊕	adjust to middle appropriate ⊕
	Foreign matter attached on the flame plate	Clear the foreign matter
Pilot fire pipe can't pilot fire (universal valve)	Nozzle of air supply is clogged	Punch through nozzle by thin steel wire
	Air supply is too large	Adjust turning appropriately
	Bout air port is clogged	Punch through by thin steel wire
Electric ignition failure (electric valve)	Electromagnetism uses up	Replace electromagnetism
	Ignition line breaks off	Check electrical source joint
	Ignition needle has been attached by foreign matter	Clear the foreign matter
	The nozzle of ignitron is clogged	Punch through nozzle by thin steel wire

Our products have passed inspection of Guangdong Test Center of Product Quality Supervision.

The MANniu series products have been tested for heavy thermal load and high heat efficiency, and have won multi-function patents. For further information, please contact us or local agents or distributors.

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