

Gas Lava Rock Grill

TT-WE77

User's Manual

Dear Client & User,

Firstly, thanks for purchasing and using our product. All the information and guidelines of this user's manual comply with certain applicable regulations, which come out from our long-term accumulated knowledge and experience as well as current project development situations.

Limited to some special structures, additional specified items or new technology changes, the actual usage situation might be some different from what stated in this user's manual. Should you have any question, please do not hesitate to contact the manufacturer via the method shown in back cover page of this manual.

For safety purpose and efficient operation, please make this document available to users for reference. Do have them to read this manual carefully before carry out any action on this device, especially when starting.

The manufacturer declines any responsibility in the event users do not follow the instructions or guidelines stated here.

The user's manual should be placed close to the device, in convenience of users' reading before operation. We have the full authority to reserve the further technical changes of the device, in the scope of further performance improvement characteristic development.



Warning

- ◆ Any self-modification, wrong installation, adjustment or maintenance can lead to property loss or casualty. Please contact the manufacturer for any adjustment or maintenance, and have the work done by a trained & qualified person.
- ◆ For your safety sake, please keep the machine away from any liquid, gas or other object, which is flammable or explosive.
- ◆ This appliance should not be operated by those who have physiological, perceptual or mental disabilities or those who have insufficient experience or knowledge (including children). Only in conditions of being given sufficient supervise & guarantee of personal safety, as well as proper instructions & guidance, those who were mentioned above can make some particular operation of this device.
- ◆ Keep children away from the device.
- ◆ Preserve this manual safely. When passing on/selling the device to a third party, the manuals must be handed over along with the device. All users must operate the device complying with the user's manual and related safety guidelines.
- ◆ If the appliance is placed near walls, partitions or kitchen furniture and the like, it is advisable to make these facilities with non-combustible material, otherwise cover them with non-combustible heat-resistant material, and pay attention to fire prevention regulations.
- ◆ The appliance should be installed in a well-ventilated area, if possible under a vent hood, in compliance with all applicable regulations in force. This will ensure that all burnt gases produced during the combustion process are completely exhausted.
- ◆ This appliance is only applicable to low-pressure gas regulating valve. It may lead to loss and casualty if other regulating valves are used.
- ◆ Fire warning: If you smell the gas, please keep away from fire. Do not light up any device or touch the electronic switch. Do not use any phone in the building either. Close the main gas valve immediately and call the professional personnel to maintain it. Operate by force or maintain improperly will lead to large gas leakage or deflagration easily. The manufacturer won't bear any responsibility for fire accidents caused by improper operation or maintenance.

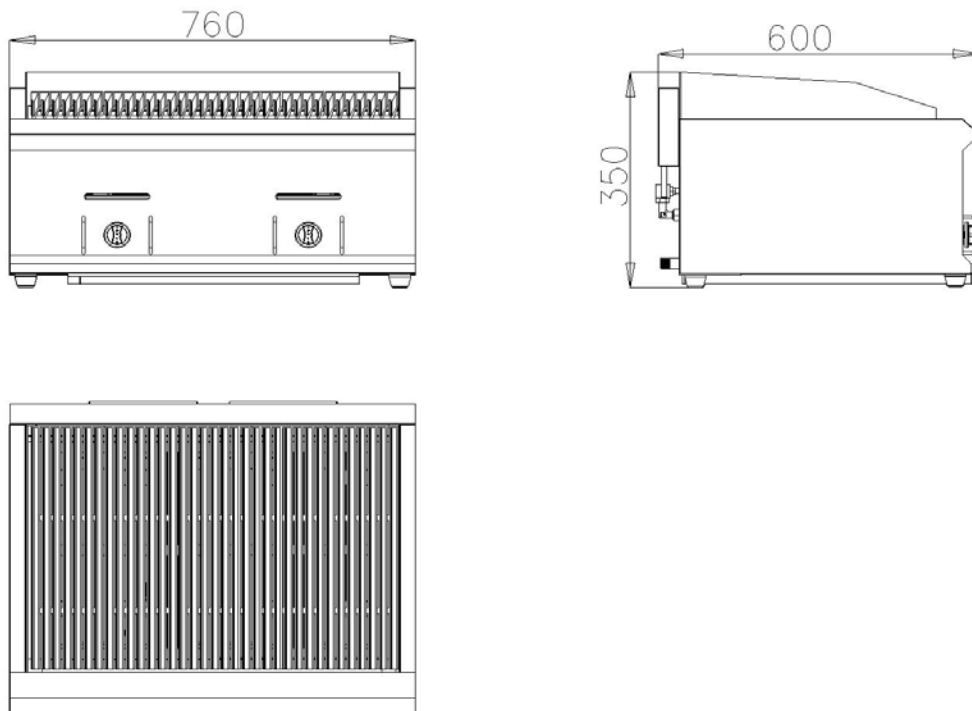
Contents

1. Functional Introduction.....	5
2. Structure Schematic Diagram.....	5
3. Basic Features & Parameters.....	5
4. Precautions & Recommendations.....	6
5. Working Instructions & Operation Flow.....	8
6. Routine Inspection.....	8
7. Cleaning & Maintenance.....	8
8. Failure Analysis & Trouble Shooting.....	9

1. Functional Introduction

This product is manufactured by our company, which is combined with advantages from home and abroad. It is novel in design, reasonable in structure, easy in operation, stainless steel in body making, durable in using and convenient in maintenance. Meanwhile, it is equipped with lava rock. Therefore, it is the ideal equipment for hotel, supermarket, western restaurant, fast-food restaurant and food industry.

2. Structure Schematic Diagram



3. Basic Features & Parameters

Model	Dimension (mm)	Power (kW)	Gas Consumption & Pressure			N/W (kg)	Regulating Valve
			LPG 2800Pa	NG 2000Pa	Town Gas 1000Pa		
TT-WE77	760×600×350	14.6	0.92KG/H	1.54M ³ /H	3.3M ³ /H	72	Low-pressure Regulating Valve

4. Precautions & Recommendations

4.1 Transportation and Storage

During transportation, the machine should be carefully handled and do not put it upside down to prevent from damaging to the shell and inside. The packaged machine should be stored in a ventilated warehouse without corrosive gas. If it needs to be stored in open air temporarily, measurement against raining is needed.

4.2 Notice for Installment

1. Installation should be operated by professional technicians.
2. Connection should conform to provisions of gas safety, installation and usage.
3. The appliance should keep a minimum clearance of 10cm away from incombustible objects on both sides and 20cm at the back (e.g. walls, windows etc.). Do not install it on flammable floor or materials.
4. The appliance should be installed in a well-ventilated area, if possible under a vent hood, in compliance with all applicable regulations in force. This will ensure that all burnt gases produced during the combustion process are completely exhausted.
5. After installation, please place horizontally and keep firm. Do not sway or tilt when using.
6. Do not use gas that is not applicable for this machine as fuel, neither does high pressure regulating valve nor medium pressure regulating valve. (This machine is only applicable to low pressure regulating valve.)
7. A quick-acting switching-off gas valve should be installed upstream the appliance to be reached easily before installation.
8. Make sure the applicable gas is the same as the gas supply. If not, please stop using.
9. The pipeline that connecting to the appliance should be connected with proper metal pipe.
10. If the pipeline pressure is 10% higher or lower than the rated pressure, please install a pressure regulator to ensure that it reaches the rated pressure.
11. After connecting the appliance to the gas system, check for leaks at joints and pipe fittings with soapy water or a specific leak detector (spray). “No Open Flame Test”!

4.3 Special Notice

1. Installation and maintenance should be operated by professional personnel or qualified person when first using.
2. Remove the outer packing and keep the appliance integrated. If you have any questions, please consult professional personnel. In case of danger, keep the packing materials away from children. (For materials are plastic bags, nails etc.)
3. When first using, the duration of ignition may be a little longer due to the air existing in the new pipeline. If the ignition cannot be lit up, turn off the ignition switch and ignite again 3 minutes later to prevent deflagration.
4. Do not use gas that is not applicable for this machine as fuel, neither does high pressure regulating valve nor medium pressure regulating valve. Make sure the applicable gas is the same as the gas supply, if not, please stop using.
5. If not going to use the appliance or leaving, in case of danger, please turn the appliance off.
6. This product is a commercial machine that needs to be operated by trained people. Not applicable for home use.
7. This machine is only for commercial use.
8. Do not dismantle or self-modify the machine. Dismantlement and self-modification may cause casualty.
9. Do not pat the product or put any heavy objects onto it. Neither does placing any objects in the smoke vent which may do harm to our health. Abnormal operation may cause damage and danger.
10. High temperature may cause scald. Do not touch the appliance with hands directly due to high temperature during or after operation.
11. Do not destroy the control panel with hard or sharp objects.
12. Do not spray the appliance with water directly.
13. Clean the stainless steel surface regularly to prevent damages caused by oxidization or chemical reaction.
14. Flammable objects (e.g. towel etc.), which may cause fire, should not be put onto the grill.
15. Shut the valve off when finish using.
16. If leakage is found, please turn the gas valve off immediately and open the windows to ventilate. Do not turn the power or switches on/off or ignite before maintenance.

5. Working Instructions & Operation Flow

1. Connect the gas pipeline and check that whether the connection is firm then can the appliance be used.
2. Open the gas regulating valve and press the switch in the front, rotate counterclockwise slowly. Let go when a “tick” sound is heard. Observe the ignition condition via perspective hole and make sure it is lit up then can it be used. If the appliance is out of service for a long time or first using, it may not be lit up for the first time due to air existing in the pipeline. Ignite it again according to the method above until it is lit up.
3. When finish using, please turn the switch in the front clockwise until a “tick” sound is heard and turn the gas valve off.
4. Turn the switch in the front to 90 degrees, the flame is max; if it is larger or smaller than 90 degrees, the flame will become smaller gradually.

6. Routine Inspection

It is necessary to check the machine daily.

Check the machine regularly can avoid serious accident happens.

Stop using if user feels that there are some problems in the circuit or machine.

Check the situation of the machine before or after using every day.

Before using: Whether the machine is tilted?

Whether the control panel is damaged?

During using: Whether there is strange smell or vibration noise?

Whether the flame is normal? Any light back or flameout?

7. Cleaning & Maintenance

1. Do not spray the surface with clear water directly, neither does clean it with corrosive materials (hydrochloric acid).
2. Do not modify the ventilation volume needed during combustion.
3. If not going to use the appliance, please cut the gas supply off.
4. If not going to use the appliance for a long time, please clean the surface with a gasoline cloth and store it in a well-ventilated area.
5. General inspection should be made at least once a year by professional personnel.
6. 90% of the appliance are metals (stainless steel、 iron、 aluminum、 galvanized metal sheet) which can be recycled by appointed treatment plant according to the environmental standards of the equipment installation countries. (No littering!)

8. Failure Analysis & Trouble Shooting

Symptoms	Causes	Solutions
The pilot flame cannot be ignited.	<ol style="list-style-type: none"> 1. Plug of igniter or plug cord is damaged. 2. The gas pressure is not enough. 3. The nozzle is block. 4. The gas valve is defective. 	<ol style="list-style-type: none"> 1. Replace the relevant accessories. 2. Adjust the relieve valve. 3. Unblock the nozzle. 4. Replace the gas control valve.
The pilot flame is on but the main burner cannot be ignited.	<ol style="list-style-type: none"> 1. The gas pressure is not enough. 2. The nozzle of the main burner is block. 3. The gas control valve is defective. 	<ol style="list-style-type: none"> 1. Adjust the relieve valve to get a proper pressure. 2. Unblock the nozzle. 3. Replace the gas control valve.
It has a light-back sound when the gas supply is turned off.	<ol style="list-style-type: none"> 1. The diameter of nozzle does not match with the gas source. 2. The gas pressure is too low. 3. The flow of the connected pipe is not enough. 4. The damper is too large. 	<ol style="list-style-type: none"> 1. Please adjust the nozzle diameter. 2. Adjust the relieve valve. 3. Increase the permitted flow. 4. Adjust the damper.
It has red flame, and black smoke.	<ol style="list-style-type: none"> 1. The diameter of nozzle does not match with the gas source. 2. The gas nearly runs out. Please replace the gas. 3. The gas ingredient reduces the gas flow in gas peak demand. 4. The damper is too small. 	<ol style="list-style-type: none"> 1. Please adjust the nozzle diameter. 2. Replace the gas. 3. Decrease the gas flow and increase it after the peak demand of the gas. 4. Adjust the damper.

Aforementioned troubles are just for reference. If any failure occurs, please stop using, and inform the professional technicians to check and repair. Safety is first and maintenance should be done after power supply and gas supply are shut down.