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เพื่อการใช้งานอย่างมีประสิทธิภาพสูงสุด ปลอดภัย ทนทาน และการใช้งานที่ยาวนาน **กรุณาอ่านคู่มือนี้ โดยละเอียด** 

และปฏิบัติตามคำแนะนำอย่างเคร่งครัด และควรเก็บคู่มือนี้ไว้ตลอดเวลาที่ใช้งาน

## **Characteristic of the burners and nozzles**

Table 1

		Liquid Gas	Gas	Natural Gas	l Gas	Town Gas	Gas
G	Burner Diameter	Thermal Power	Nozzle	Thermal Power	Nozzle	Thermal Power	Nozzle
DON	(mm)	(kW)	1/100 (mm)	(KW)	1/100 (mm)	(kW)	1/100 (mm)
Brass Burner Internal Nozzle	40	0.8	28	9.0	09	0.8	130
Brass Burner External Nozzle	130	4.2	88	3.3	140	4.2	310
Madi	Nominal (mbar)	28~30	30	20		10	
Supply	Minimum (mbar)	20		17		9	
	Maximum (mbar)	37		25		20	

- At 15 °C and 1013mbar-dry gas
- $\bullet \qquad \text{Propane H. s. =}95.65 \ \text{MJ/m}^3$

Butane H. s. = 126.207 MJ/m<sup>3</sup> Town

gas H. s. = 15.  $87MJ/m^3$ 

If the Gas pressure is different than that prescribed, a pressure regulator must be installed at the source, in compliance with national standards governing the use of piped gas regulators.

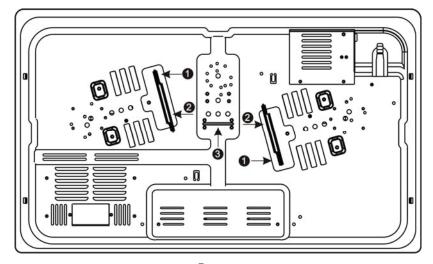
Regulation of Air Supply to the Burner

Turning the regulative handle to make sure the burners fitting with the gas.

Handle ② for the inner cap of the Tornado Burner or Brass Burner.

Handle ③ for the Semi-rapid burner.

Back



Front

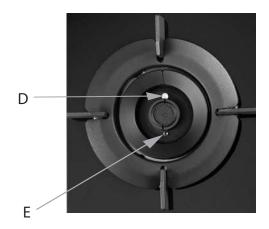
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# Components and Features

- A. Brass Gas Burners
- B. Support Grid for Cookware
- C. Control Knobs for Gas Burners
- D. Ignitor for Gas Burners
- E. Safety Device
- F. Energy gathered pan





Before making the actual connection, make sure that:

- The fuse and electrical system can withstand the load required by the appliance;
- That the electrical supply system is equipped with an efficient earth hook-up according to the norms and regulations prescribed by low;
- That the plug or switch is easily accessible .

Important: the wires in the mains lead are colored in accordance with the following code:

Green & Yellow - Earth
Blue - Neutral
Brown - Live

As the colors of the wires in the mains lead may not correspond with the colored markings identifying the terminal s in your plug, proceed as follows:

"E" or  $\bigoplus$  or colored Green or Green & Yellow.

Connect the Brown wire to the terminal marked "L" or colored Red.

Connect the Blue wire to the terminal marked " N" or colored Black.

How to load battery (on **this model** fitted with battery box) Open the battery box, and then place a 1.5V size "D" battery into the box. ( take n otice of the direction) .

Adapting the Cooktop for Different Types of Gas

- To adapt the cooktop to a different ty pe of gas than that for which it was designed, (see the sticker under the nozzles must be changed, as follows:
- Remove the pan supports and slide the burners out of the cooktop.
- Unscrew the nozzles using a 7mm sock et wrench and replace them with those for the new type of gas. (See table 1, "Burner and Nozzle Specifications").
- Reassemble the parts following the instructions in reverse order.
- On completing the operation, replace the old rating label with the one showing the new type of gas; the sti cker is available from our Service Centers.

### How To Keep Your Cooktop in Shape

Before cleaning or performing mainten ance on your appliance, disconnect it from the electrical power supply. To extend the life of the cooktop, it is absolutely indispensable that it be cleaned carefully and thoroughly on a frequent basis, keeping in mind the following:

- Do not use steam equipment to clean the appliance.
- The enameled parts and the glass top, if present, must be washed with warm water without using abrasive powders or corrosive substances which could ruin them;
- The removable parts of the burner s should be washed frequently with warm water and soap, making sure to remove caked-on substances;
- On cooktops with automatic igniti on, the end of the electronic ignition device must be cleaned carefully and frequently, making sure that the gas holes are not clogged;
- Stainless steel can be stained if it remains in contact with highly calcareous water or aggressive detergents (containing phosphorous) for an extended period of time. It is recommended that these parts be rinsed thoroughly with water and then dried well. It is also a good idea to clean up any spills.

### Greasing the Taps

The taps may jam in time or they may become difficult to turn. If so, the tap itself must be replaced.

N.B.: This operation must be preformed by a technician authorized by the manufacturer.

#### Gas Connection for Cooktop

The cooktop should be connected to the gas supply by an authorized installer. During installation of this product it is essential to fit an approved gas tap to isolate the supply from the appliance for the convenience of any subsequent removal or servicing. Connection of the appliance to the gas mains or liquid gas tanks must be carried out according to the safety standards currently in force, and only after it is ascertained that it is suitable for the type of gas to be used. If not, fo llow the instructions indicated in the section entitled, "Adapting the cooktop for Different Types of Gas". If the cooktop is to be connected to tanks containing liquid gas, use pressure regulators that comply with current safety standards.

Important: To insure that the appliance operat es safety, the gas is regulated correctly and your appliance lasts overtime, make sure that gas pressure levels comply with the indications given in Table 1, "Nozzle and Burner Specifications".

Gas connection to Non-flexible Pipe

(Copper or Steel)

Connection to the gas source must be done in such a way as to not create any stress points at any part of the appliance.

The appliance is fitted with an adjustable, "L" shaped connector and a gasket for the attachment to the gas supply. Should this connector have to be turned The gasket must be replaced (supplied with the appliance).

The gas feed connector to the appliance is a threaded, male 1/2" connector for round gas pipe.

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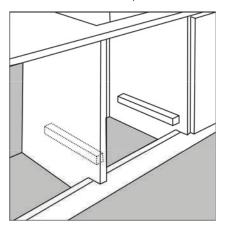
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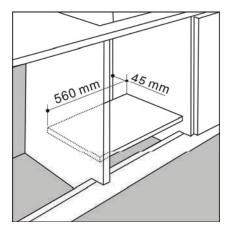
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- E. The hob can only be installed above built-in ovens prov ided with cooling ventilation.
- F. In the event the cooktop is not installed above a built-in oven, a wood panel must be inserted as insulation. This panel must be placed at least 50 mm from the bottom of the cooktop itself.

Important: When installing the cooktop a bove a built-in oven, the oven should be placed on two wooden strips; in the case of a joining cabinet surface, remember to leave a space of at least 45 x 560 mm at the back.





### **Practical Advice**

Practical Advice on Using the Burners

For best performance, follow these general guidelines:

- Use the appropriate cookware for each burner (see table) in order to prevent the flame from reaching the sides of the pot or pan;
- Always use cookware with a flat bottom and keep the lid on;
- When the contents come to a boil, turn the knob to "Low"

Burner	⊠ cookware diameter(cm)
Brass Gas Burners (A)	24-26

## Safety Is a Good Habit to Get Into

To maintain the Efficiency and Safety of this appliance, we recommend:

- Call only the Service Centers authorized by the manufacture
- Always use original Spare Parts.
- This Manual is for a class 3 built-in cooktop.
- This appliance is designed for non-professional use in the home and its features and technical characte ristics must not be modified.
- These inst ructions are only valid for the countries the symbol s for which appear on the manual and the serial plate.
- The electrical system of this appliance is sate only when it is correctly connected to an adequate earthing system, as required by curren t safety standards.

Prevent children and the disabled from coming into contact or having access to the following, as they are possible sources of danger:

- The controls and the appliance in general;
- The pa ckaging (plastic bags, polystyrene, nails, etc.);
- The appliance, during the immediately after use given the heat generated by its use.
- The appliance when on longer in installed (in this case, all potentially dangerous parts must be made safe).

The following should be avoid:

• Touching the appliance with wet parts of the body;

- Pulling on the appliance or the power supply cord to disconnect them from the electrical outlet;
- Improper and/or dangerous use;
- Obstructing the ventilation or heat dissipation slots;
- Allowing the power supply cord of small appliances to come into contact with the hot parts of the cooktop.
- Exposure to atmospheric agents (rain, sun);
- Using flammable liquids nearby;
- Using adaptors, multiple outlet plugs and/or extensions;
- Using unstable or deformed cook ware;
- Trying to install or repair the appliance without the assistance of qualified personnel.

The assistance of qualified personnel must be called upon in the following cases:

- Installation (i n accordance with the manufacturer's instructions )
- When in doubt about the operation of the appliance;
- Replacement of the electrical outlet bec ause it is incompatible with the plug.

Contact service centers authorized by the manufacturer in the following cases:

- When in doubt about the condition of the appliance after having removed the packing;
- Damage to or replacement of the power supply cord;
- In the case of the breakdown or malfunction; ask for original spare parts.

It is recommended that you follow the guidelines below:

- Only use the appliance to cook food, avoiding all other uses.
- Check the condition of the applianc e after it has been unpacked.
- Disco nnect the appliance from the power supply in the event of malfunction and always before cleaning or maintenance.
- When not in use, disconnect the appl iance from the power supply and turn off the gas valve (if present );
- Always chec k to make sure that the control knobs are on the " "/"O" setting
  when the appliance is not in use;

Cut the power supply cord after disconnection it from the electrical mains when you decide to no longer use the appliance.

The manufacturer will not held liable for any damages arising out of:

incorrect installation or improper, incorrect or unreasonable use.

D) The dimensions of the cutout for the appliance must be those indicated in the figure D. Clamps are provi ded to fasten the cooktop to counters measuring from 20 to 60 mm in thickness. To fasten the cooktop securely, it is recommended that all the clamps be used.

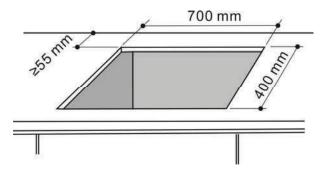
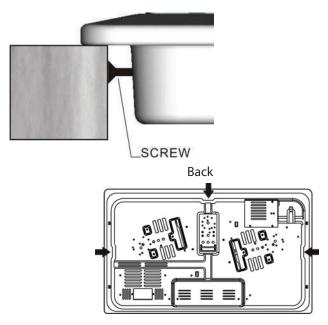


Fig. D

Fit to the cutout— Assembly Diagram



Front

N.B.: Use the screw contained in the "accessory kit."

D) Liquefied petroleum gases are heavie r than air and, as a result, settle downwards. Rooms in which LPG tanks are installed must be fitted with ventilation openings to the outside in order to allow the gas to escape in the event of a leak. Therefore, LPG tanks, whether empty or partially full, must not be installed or stored in rooms or spaces below ground level (cellars, etc.). It is also a good idea to keep only the tank currently being used in the room, making sure that it is not near sources of heat (ovens, fireplaces, stoves, etc.) that could raise the internal temperature of the tank above 50 °C.

#### Installation of Built-In cooktops

The appliance can be installed next to furniture units which are no taller than the top of the cooker hob. The wall in direct contact with the back panel of the cooker must be made of non-flammable material. During operation the back panel of the cooker could reach a temperature of 50  $^{\circ}$ C above room temperature. For proper installation of the cooker, the following precautions must be taken:

- A) If the cabinet (s) located next to t he cooktop are higher than the cooktop itself, the cabinet (s) must be installed at least 750 mm from the edge cooktop;
- B) Hoods must be installed in the accordance with the instructions contained in the installation manual for the hoods themselves, and no less than 750 mm from the cooktop.
- C) The cabinets installed next to the hood must be located at a height of at least 600 mm from the top, (as shown in Fig. C)

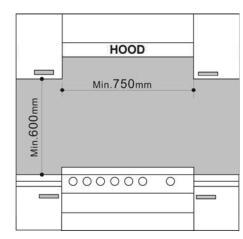


Fig. C

# Is there a problem?

It may occur that the cooktop does not function or does not function properly.

Before calling customer service for a ssistance, lets see what can be done.

First of all, check to see that there are no interruptions in the gas and electrical supplies, and, in particular, that the gas valves for the mains are open.

The burner does not light or the flame is not uniform around and burner.

Check to make sure that:

- The gas holes on the burner are not clogged;
- All of the movable parts that make up the burner are mounted correctly;
- There are no draughts around and cooking surface.

The burner does not remain on when set to "Low".

Check to make sure that:

- The Gas holes are not clogged.
- There are no draughts near the cooking surface.

The cookware is not stable.

Check to make sure that:

- The bottom of the cookware is perfectly flat.
- The cookware is centered correctly on the burner.
- The support grids have not been inverted.

If, despite all of these checks, the cooktop does not function properly and problem persists, call the nearest Custom er Service Centre, informing them of:

- The type of problem.
- The abbreviation used to identify the model (Mod. ....) as indicated on the top panel warranty.

Never call upon technicians not authorized by the manufacture r, and refuse to accept spare parts that are not original.

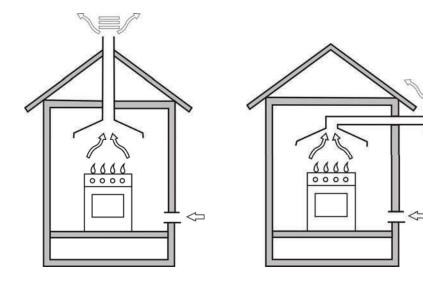
### Installation Instructions for Built-In

The following instructions are intended for the installer so that the installation and maintenance procedures may be followed in the most professional and expert manner possible. Important: Disconnect the appliance from the electrical supply before performing any maintenance or regulation upkeep work.

#### **Positioning**

This appliance may only be installed and operated in permanently ventilated rooms in compliance with provisions laid down by current regulations and standards. The following requirement must be observed:

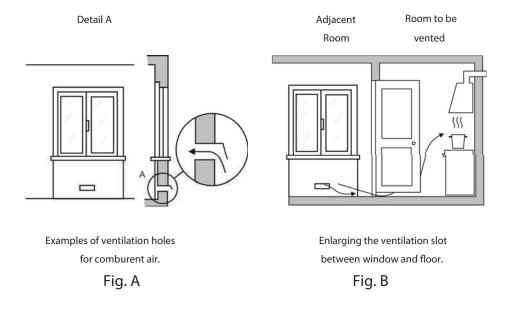
A) The room must be fitted with a vent illation system which vents smoke and gases from combustion to outside. The is must be done by means of a hood or electric ventilator that turns on automatically each time the hood is operated.



In a chimney stack or branched flue. (exclusi vely for cooking appliances)

Directly to the Outside

B) The room must also allow for the influx of the air needed for proper combustion. The flow of air for combustion purposes must not be less than 2 m³/h per kW of installed capacity. The supply of said air can be effected by means of direct influx from the outside through a duct with a inner cross section of at least 100 cm² which must not be able to be accidentally blocked. Those appliance which are not fitted with a safety device to prevent the flame from accidentally going out must have a ventilation opening twice the size otherwise required, i.e.a minimum of 200 cm² (Fig. A). Otherwise, the room can be vented indirectly though adjacent rooms fitted with ventilation ducts to the outside as described above, as lo ng as the adjacent rooms are not shared areas, bedrooms or present the risk of fire (Fig. B).



C ) Intensive and prolonged use of the appliance may necessitate supplemental ventilation, e.g. opening a window or increasing the power of the air intake system (if present)

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