# INSTRUCTIONS AND ADVICE FOR THE USE, INSTALLATION AND MAINTENANCE OF MIXED AND GAS FUELLED BUILT-IN HOT PLATES

Dear Customer,

Thank you for having purchased one of our products.

We are certain that this new, modern, functional and practical appliance, built with the very highest quality materials, will meet your requirements in the best possible way. This appliance is easy to use. It is, however, important to thoroughly read the instructions in this handbook in order to obtain the best results.

These instructions are only valid for the countries of destination, the identification symbols of which are indicated on the cover of the instruction manual and on the appliance itself. The manufacturer shall not be held responsible for any damages to persons or property caused by incorrect installation or use of the appliance.

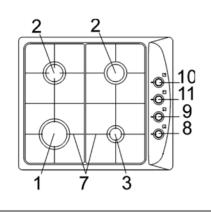


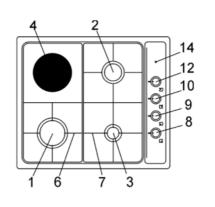


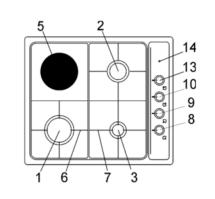
The Manufacturer shall not be held responsible for any inaccuracies in this handbook due to printing or transcription errors; the designs in the figures are purely indicative. The Manufacturer also reserves the right to make any modifications to the products as may be considered necessary or useful, also in the interests of the user, without jeopardizing the main functional and safety features of the products themselves.

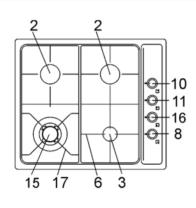
# **DESCRIPTION OF THE HOT PLATES**

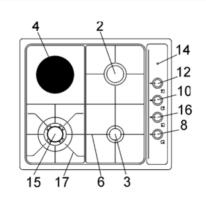
#### TYPES: SD6XG/SD6EG/SD6XC/SD6EC/SD6XW/SD6EW

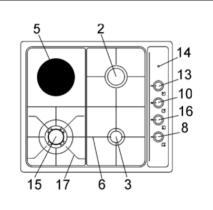












1 Rapid gas burner	of 3000 W
2 Semirapid gas burner	of 1750 W
3 Auxiliary gas burner	of 1000 W
4 Ø 145 mm normal electric plate	of 1000 W
5 Ø 145 mm rapid electric plate	of 1500 W

- 6 Enamelled steel pan support 1 burner
- 7 Enamelled steel pan support 2 burners
- 8 Burner n° 3 control knob
- 9 Burner n° 1 control knob
- 10 Burner n° 2 control knob (right)
- 11 Burner n° 2 control knob (left)
- 12 Electric plate n° 4 control knob
- 13 Electric plate n° 5 control knob
- 14 Electric plate ignition warning light
- 15 Ultra rapid gas burner
- 16 Pan support for ultra rapid burner
- 17 Burner n° 16 control knob

of 3350 W

Attention: this appliance has been manufactured for domestic use only and it employment by private person.

#### 1) BURNERS

A diagram is screen-printed above each knob on the front panel. This diagram indicates to which burner the knob in question corresponds. After having opened the gas mains or gas bottle tap, light the burners as described below:

#### - Manual ignition

Push and turn the knob corresponding to the required burner in an anticlockwise direction until it reaches the full on position (large flame fig. 1), then place a lighted match near the burner.

#### - Electrical ignition

Push and turn the knob corresponding to the required burner in an anticlockwise direction until it reaches the full on position (large flame fig. 1), then depress and release the ignition button.

#### - Automatic electrical ignition

Push and turn the knob corresponding to the required burner in an anticlockwise direction until it reaches the full on position (large flame fig. 1), then depress the knob.

# - Lighting burners equipped with flame failure device

The knobs of burners equipped with flame failure device must be turned in an anticlockwise direction until they reach the full on position (large flame fig. 1) and come to a stop. Now depress the knob in question and repeat the previously indicated operations.

Keep the knob depressed for about 10 seconds once the burner has ignited.

#### **HOW TO USE THE BURNERS**

Bear in mind the following indications in order to achieve maximum efficiency with the least possible gas consumption:

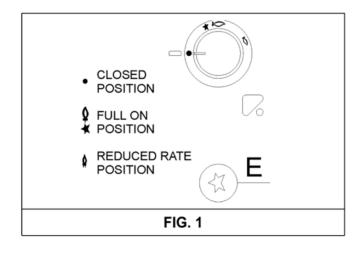
- Use adequate pans for each burner (consult the following table and fig. 2).

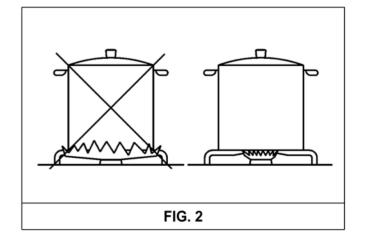
- When the pan comes to the boil, set the knob to the reduced rate position (small flame fig. 1).
- Always place a lid on the pans.

Burners	Power ratings W	Pan Ø in cm
Ultra rapid	3350	24 ÷ 26
Rapid	3000	20 ÷ 22
Semirapid	1750	16 ÷ 18
Auxiliary	1000	10 ÷ 14

#### **WARNINGS:**

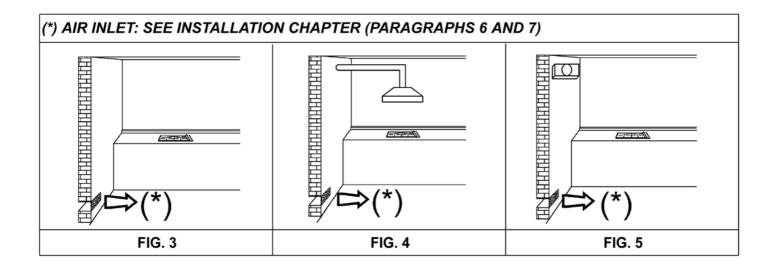
- Burners with flame failure device may only be ignited when the relative knob has been set to the Full on position (large flame fig. 1).
- Matches can be used to ignite the burners in a blackout.
- Never leave the appliance unattended when the burners are being used. Make sure there are no children in the near vicinity. Particularly make sure that the pan handles are correctly positioned and keep a chek on foods requiring oil and grease to cook since these products can easily catch fire.
- Never use aerosols near the appliance when it is operating.
- If the built-in hot plate has a lid, any spilt food should be immediately removed from this before it is opened. If the appliance has a glass lid, this could shatter when the hot plate becomes hot. Always switch off all the burners before closing the lid.
- Utilize pots with flat bottom only.





#### Notes:

Use of a gas cooking appliance produces heat and moisture in the room in which it is installed. The room must therefore be well ventilated by keeping the natural air vents clear (fig. 3) and by activating the mechanical aeration device (suction hood or electric fan fig. 4 and fig. 5). Intensive and lengthy use of the appliance may require additional ventilation. This can be achieved by opening a window or by increasing the power of the mechanical exhausting system if installed.



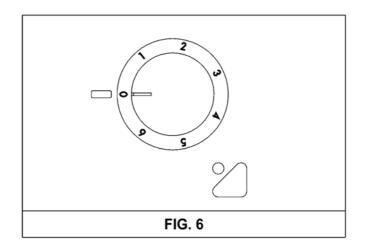
#### 2) HOW TO USE THE ELECTRIC PLATES

Mixed hot plates may be equipped with a normal or rapid electric plate. It is controlled by switches with various positions (see fig. 6) and is switched on by turning the knob to the required setting. A diagram is screen-printed above each knob on the front panel. This diagram indicates to which electric plate the knob in question corresponds (see fig. 6). A red warning light will come on to indicate that the plate is operating.

A purely indicative regulation table for the normal electric plate is given below.

#### **TABLE**

NORMAL OR RAPID PLATE	HEAT INTENSITY	POSSIBLE COOKING PROCESSES
0	Off	
1	Weak	To dissolve butter, chocolate, etc To heat small amounts of liquid.
2	Low	To heat larger amounts of liquid. To prepare cremes and suces requiring long slow cooking times.
3	Slow	To thaw frozen foods and prepare stews, heat to boiling point or simmer.
4	Medium	To heat foods to boiling point. To brown delicate meats and fish.
5	Strong	For escalopes and steaks. To simmer large amounts of food.
6	High	To bring large amounts of liquid to the boil. For frying.



#### **WARNINGS:**

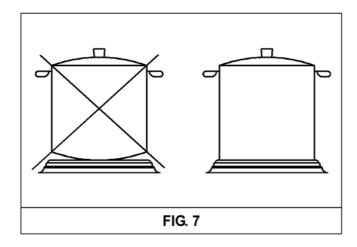
When the plate is switched on for the first time, or if it has remained unused for a long period, it should be dried for 30 minutes on switch position n° 1. This will eliminate any moisture that may have been absorbed by the insulating material.

To correctly use the appliance, remember:

- To place a pan on the plate before switching this on.
- To always use pans with flat and very thick bottoms (see fig. 7).
- To never use pans that are smaller than the plate diameters.
- To dry the bottom of the pan before placing it on the plate.
- Never leave the appliance unattended when the plates are being used. Make sure that there are no children in the near vicinity. Particularly

- make sure that the pan handles are correctly positioned and keep a check on foods requiring oil and grase to cook since these products can easily catch fire.
- The plates will remain hot for a long period of time even use after use, never touch them with the hands or other objects in order to prevent burns.
- Immediately disconnect the appliance from the electricity main as soon as cracks are noted on the surfaces of the plates.

Warning: pans should not protrude beyond the edge of the hob?



# **CLEANING**

#### **IMPORTANT:**

Always disconnect the appliance from the gas and electricity mains before carrying out any cleaning operation.

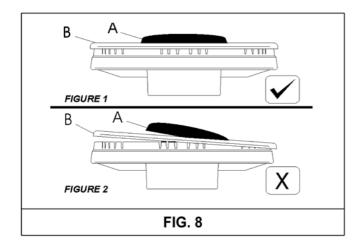
#### 3) HOT PLATE

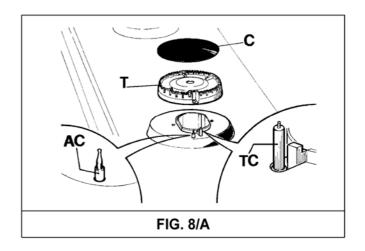
Periodically wash the hot plate, the enamelled stell pan support, the enamelled burner caps "A", "B" and "C" and the burner heads "T" (see fig. 8 and 8/A) with lukewarm soapy water. Following this, all parts should be thoroughly rinsed and dried. Never wash them while they are still warm and never use abrasive powders. Do not allow vinegar, coffee, milk, salted water, lemon or tomato juice from remaining in contact with the enamelled surfaces for long periods of time.

#### **WARNINGS:**

Comply with the following instructions, before remounting the parts:

- Check that burner head slots "T" have not become clogged by foreign bodies.
- Check that enamelled burner cap "A", "B" and "C" (fig. 8 and 8/A) have correctly positioned on the burner head. It must be steady.
- The exact position of the pan support is established by the rounded corners, which should be set towards the side edge of the hot plate.
- Do not force the taps if they are difficult open or close. Contact the technical assistance service for repairs.
- Correctly preserve the plate after use by treating it with special products, easily available on the market. This will keep the surface of the plate clean and bright. The operation will also prevent the formation of rust.





## INSTALLATION

# TECHNICAL INFORMATION FOR THE INSTALLER

Installation, adjustments of controls and maintenance must only be carried out by a qualified engineer.

Incorrect installation may cause damage to persons, animals or property for which the Manufacturer shall not be considered responsible.

During the life of the system, the automatic safety or regulating devices on the appliance may only be modified by the manufacturer or by his duly authorized dealer.

#### 4) INSTALLING THE HOT PLATE

Check that the appliance is in a good condition after having removed the outer packaging and internal wrappings from around the various loose parts. In case of doubt, do not use the appliance and contact qualified personnel.

Never leave the packaging materials (cardboard, bags, polystyrene foam, nails, etc.) within children's reach since they could become potential sources of danger.

The measurements of the opening made in the top of the modular cabinet and into which the hot plate will be installed are indicated in either fig. 9. Always comply with the measurements given for the hole into which the appliance will be recessed (see fig.10).

The appliance belongs to class 3 and is therefore subject to all the provisions established by the provisions governing such appliances.

#### 5) FIXING THE HOT PLATE

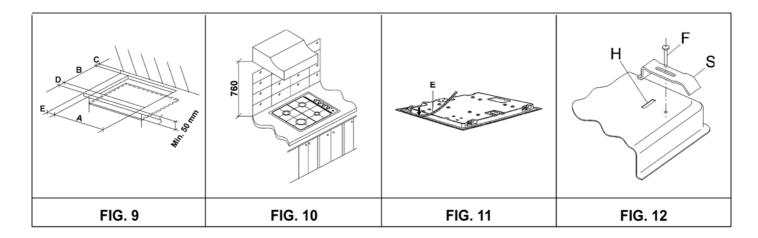
The hot plate has a special seal which prevents liquid from getting into the cabinet. Strictly comply with the following instructions in order to correctly apply this seal:

- Detach the seals from their backing, checking that the transparent protection still adheres to the seal itself.
- Overturn the hot plate and correctly position seal "E" (fig. 11) under the edge of the hot plate itself, so that the outer side of the seal perfectly matches the outer edge of the hot plate. The ends of the strips must fit together without overlapping.
- Evenly and securely fix the seal to the hot plate, pressing into place with the fingers and remove the strip of protective paper from the seal and set the plate into the hole made in the cabinet.
- The prospective walls (left or right) that exceed the working table in height must be at a minimum distance from the cutting as mentionned both in the columns and the scheme.
- In order to avoid accidental touch with the overheating bottom of the hob, during the working, is necessary to put a wooden insert, fixed by screws, at a minimum distance of 50mm from the top (see fig. 9)

#### **COMPLY WITH THE DIMENSIONS**

(en mm)

	Α	В	С	D	Е
4F	553	473	65	62	65 min.



# **INSTALLATION**

# IMPORTANT INSTALLATION SPECIFICATIONS

The installer should note that the appliance that side walls should be no higher than the hot plate itself. Furthermore, the rear wall, the surfaces surrounding and adjacent to the appliance must be able to withstand an overtemperature of 75 K. The adhesive used to stick the plastic laminate to the cabinet must be able to withstand a temperature of not less than 150° C otherwise the laminate could come unstuck.

The appliance must be installed in compliance with the provisions in force.

This appliance is not connected to a device able to dispose of the combustion fumes. It must therefore be connected in compliance with the above mentioned installation standards. Particular care should be paid to the following provisions governing ventilation and aeration.

#### 6) ROOM VENTILATION

It is essential to ensure that the room in which the appliance is installed is permanently ventilated in order to allow the appliance itself to operate correctly. the necessary amount of air is that required for regular gas combustion and ventilation of the relative room, the volume of which must not be less than 20 m³. Air must naturally flow through permanent openings in the walls of the room in question. These openings must vent the fumes outdoors and their section must be at least 100 cm² (see fig. 3). Construction of the openings must ensure that the openings themselves may never be blocked. Indirect ventilation by air drawn from an adjacent room is also permitted, in strict compliance with the provisions in force.

#### 7) LOCATION AND AERATION

Gas cooking appliances must always dispose of their combustion fumes through hoods. These must be connected to flues, chimneys or straight outside. If it is not possible to install a hood, an electric fan can be installed on a window or on a wall facing outside (see fig. 4). This must be activated at the same time as the appliance (see fig. 5), so long as the specifications in the provisions in force are strictly complied with.

#### 8) GAS CONNECTION

Before connecting the appliance, check that the values on the data label affixed to the underside of the hot plate correspond to those of the gas and electricity mains in the home.

A label on the appliance indicates the regulating conditions: type of gas and working pressure. Gas connection must comply with the pertinent standards and provisions in force.

When gas is supplied through ducts, the appliance must be connected to the gas supply system:

- o with a rigid steel pipe. The joints of this pipe must consist of threaded fittings conforming to the standards.
- o with copper pipe. The joints of this pipe must consist of unions with mechanical seals:
- o with seamless flexible stainless steel pipe. The length of this pipe must be 2 meters at most and the seals must comply with the standards.

When the gas is supplied by a bottle, the appliance must be fuelled by a pressure governor conforming to the provisions in force and must be connected:

- o with a copper pipe. The joints of this pipe must consist of unions with mechanical seals;
- o with seamless flexible stainless steel pipe. The length of this pipe must be 2 meters at most and the seals must comply with the standards. It is advisable to apply the special adapter to the flexible pipe. This is easily available from the shops and facilitates connection with the hose nipple of the pressure governor on the bottle;
- o with rubber hose pipe in compliance with standards. The diameter of this hose pipe must be 8 mm and its length must be no less than 400 mm and no more than 1500 mm. It must be firmly fixed to the hose nipple by means of the safety clamp specified by standards.

#### **WARNINGS:**

Remember that the gas inlet union on the appliance is a 1/2" gas parallel male type in compliance with ISO 228-1 standards.

Installation of stainless steel pipe and rubber hose pipe must ensure that it is never able to touch mobile parts of the built-in cabinet (eg. drawers). Furthermore, it must not pass through compartments that could be used for storage purposes.

When using a rubber hose pipe, it is essential to comply with the following instructions:

- no part of the pipe must be able to touch parts the temperature of which exceeds 75 K.
- The pipe must not be pulled or twisted, throttled or tughtly bent.
- It must not come into contact with sharp edges or corners.
- It must be easy to inspect the entire pipe length in order to check its state of wear.
- The pipe must be replaced within the date stamped on the pipe itself.
- The appliance complies with the provisions of the following EEC Directives:
  90/396 + 93/68 regarding gas safety.

# INSTALLATION

#### 9) ELECTRICAL CONNECTION

The electrical connections of the appliance must be carried out in compliance with the provisions and standards in force.

Before connecting the appliance, check that:

- The electrical capacity of the mains supply and current sockets suit the maximum power rating of the appliance (consult the data label applied to the underside of the hot plate);
- The socket or system has an efficient earth connection in compliance with the provisions and standards in force. The manufacturer declines all responsibility for failing to comply with these provisions.

# When the appliance is connected to the electricity main by a socket:

- Fit a standard plug suited to the load indicated on the data label to the cable.
- Fit the wires following figure n.13, taking care of respecting the following correspondences:

Letter L (live) = brown wire; Letter N (neutral) = blue wire; Earth symbol ⊕ = green - yellow wire.

- The power supply cable must be positioned so that no part of it is able to reach an overtemperature of 75 K.
- Never use reductions, adapters of shunts for connection since these could create false contacts and lead to dangerous overheating.

# When the appliance is connected straight to the electricity main:

- Install an omnipolar circuit-breaker between the appliance and the electricity main. This circuitbreaker should be sized according to the load rating of the appliance and possess a minimum 3 mm gap between its contacts.
- Remember that the earth wire must not be interrupted by the circuit-breaker.
- Alternatively, the electrical connection may also be protected by a high sensitivity differential circuit- breaker.

You are strongly advised to fix the relative yellowgreen earth wire to an efficient earthing system.

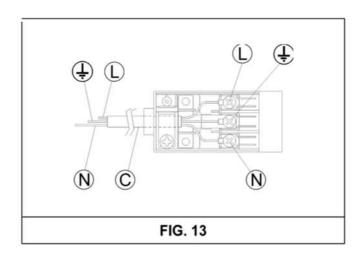
#### **WARNINGS:**

The installer should bear in mind that the mixed appliance is the Y. The rear wall, adjacent and surrounding surfaces must therefore be able to withstand an overtemperature of 75 K.

All our appliances are designed and manufactured in compliance with European standards EN 60 335-1 and EN 60 335-2-6 plus the relative amendments.

The appliance complies with the provisions of the following EEC Directives:

- 89/336 + 92/31 + 93/68 regarding to electromagnetic compatibility.
- EEC 2006/95 regarding electrical safety.



# **ADJUSTMENTS**

Always disconnect the appliance from the electricity main before making any adjustments. All seals must be replaced by the technician at the end of any adjustments or regulations. Our burners do not require primary air adjustment.

**10) TAPS** 

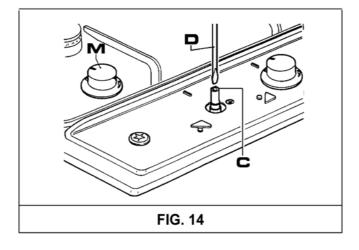
#### "Reduced rate" adjustment

- Switch on the burner and turn the relative knob to the "Reduced rate" position (small flame fig.1).
- Remove knob "M" (fig. 14) of the tap, which is simply pressed on to its rod.
- Insert a small screwdriver "D" into hole "C" (fig. 14)

and turn the throttle screw to the right or left until the burner flame has been adequately regulated to the "Reduced rate" position.

Check that the flame does not go out when the knob is sharply switched from the "Full on" to the "Reduced rate" position.

It is understood that only burners operating with G20 or G25 gas should be subjected to the above mentioned adjustments. The screw must be fully locked when the burners operate with G30 or G31.



# **CONVERSIONS**

#### 11) REPLACING THE INJECTORS

The burners can be adapted to different types of gas by mounting injectors suited to the type of gas in question. To do this, first remove the burner tops using a wrench "B". Now unscrew injector "A" (see fig. 16) and fit a injector corresponding to the utilized type of gas in its place.

It is advisable to strongly tighten the injector in place.

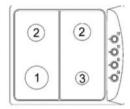
After the injectors have been replaced, the burners must be regulated as explained in

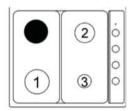
paragraphs 10. The technician must reset any seals on the regulating or pre-regulating devices.

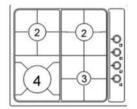
The envelope with the injectors and the labels can be included in the kit, or at disposal to the authorized customer Service Centre.

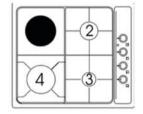
For the sake of convenience, the nominal rate table also lists the heat inputs of the burners, the diameter of the injectors and the working pressures of the various types of gas.

#### BURNER ARRANGEMENT ON THE HOT PLATE



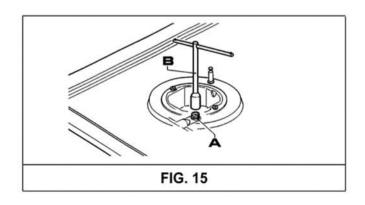






**TABLE** 

	BURNERS	GAS	NORMAL PRESSURE	NOR RA	MAL TE	INJECTOR DIAMETER	NOMINA INPU		BY PASS
N°	DESCRIPTION		mbar	g/h	l/h	1/100 mm	MIN.	MAX.	1/100 mm
1	RAPID	G 30 - BUTANE G 31 - PROPANE G 20 - NATURAL Lacq	28 - 30 37 20	182 179	238	85 - 88 85 - 88 115 Y	750 750 750	3000 3000 3000	41 41 reg.
2	SEMIRAPID	G 30 - BUTANE G 31 - PROPANE G 20 - NATURAL Lacq	28 - 30 37 20	127 125	167	68 68 98 Z	500 500 500	1750 1750 1750	32 32 reg.
3	AUXILIARY	G 30 - BUTANE G 31 - PROPANE G 20 - NATURAL Lacq	28 - 30 37 20	73 71	95	50 50 72X	400 400 400	1000 1000 1000	30 30 reg.
4	ULTRA RAPID	G 30 - BUTANE G 31 - PROPANE G 20 - NATURAL Lacq	28 - 30 37 20	225 222	295	90 90 121	1400 1400 1400	3350 3350 3350	62 62 reg.



# **SERVICING**

Always disconnect the appliance from the electricity and gas mains before proceeding with any servicing operation.

#### 12) REPLACING HOT PLATE PARTS

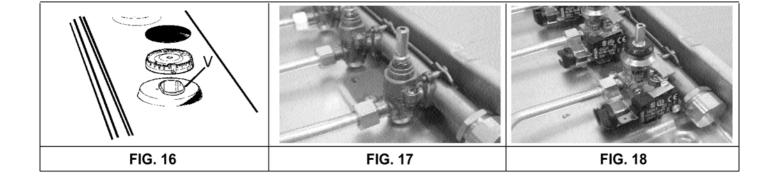
To replace the components fit inside the hob, take off the knobs, all the movable parts of the hobs (trivets, burners and caps) and the screws "V" on the burners (see fig. 16).

After having carried out the above listed operations, the replacement of the electrical components and the taps is possible.

**REMARKS:** before replace the taps on the hob without flame failure device, take off the microswitches fit on the taps.

It is advisable to change seal "D" whenever a tap is replaced to ensure a perfect tightness.

To facilitate the servicing technician's task, here is a chart with the types and sections of the powering cables and the ratings of the electrical components.



# **SERVICING**

#### **CABLE TYPES AND SECTIONS**

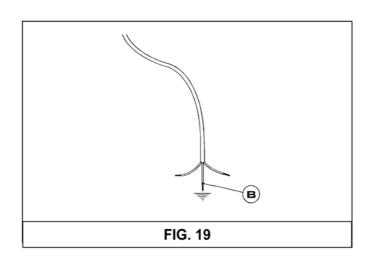
TYPE OF HOT PLATE	TYPE OF CABLE	SINGLE - PHASE POWER SUPPLY
Gas hot plate	H05 RR - F	Section 3 x 0.75 mm <sup>2</sup>
Mixed hot plate with 1 electrical plate (1000 W)	H05 RR - F	Section 3 x 1 mm <sup>2</sup>
Mixed hot plate with 1 electrical plate (1500 W)	H05 RR - F	Section 3 x 1 mm <sup>2</sup>

#### ATTENTION!!!

If the power supply cable is replaced, the installer should leave the ground wire longer than the phase conductors (fig. 19) and comply with the recommendations given in paragraph 9.

#### POWER RATINGS OF THE ELECTRICAL COMPONENTS

TYPE	DIAMETER (mm)	POWER RATING (W)
Normal plate with 7 positions	145	1000
Rapid plate with 7 positions	145	1500



### **TECHNICAL DATA ON THE DATA LABEL**

#### **4 BURNERS**

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 7.5 kW  $\Sigma$  Qn GPL = 714 l/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz

#### 3 BURNERS + 1 NORMAL PLATE

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 5.75 kW  $\Sigma$  Qn GPL = 548 l/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz POT.= 1000 W

#### 3 BURNERS + 1 RAPID PLATE

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar

G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 5.75 kW  $\Sigma$  Qn GPL = 548 l/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz POT.= 1500 W

#### **4 BURNERS WITH UR**

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar

G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 7.85 kW

 $\Sigma$  Qn GPL = 748 l/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz

#### 3 BURNERS WITH UR + 1 NORMAL PLATE

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar

G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 5.85 kW

 $\Sigma$  Qn GPL = 425 I/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz POT.= 1000 W

#### 3 BURNERS WITH UR + 1 RAPID PLATE

CATEGORÍA = II2H3+

G 30 - BUTANE = 28 - 30 mbar

G 31 - PROPANE = 37 mbar

G 20 - NATURAL Lacq = 20 mbar

 $\Sigma$  Qn Gas Natural = 5.85 kW  $\Sigma$  Qn GPL = 425 l/h

VOLTAGE = 230-240 V ~ FREQUENCY = 50 Hz POT.= 1500 W

#### TECHNICAL DATA FOR THE APPLIANCE GAS REGULATION

# TECHNICAL ASSISTANCE AND SPARE PARTS

Before leaving the factory, this appliance will have been tested and regulated by expert and specialized personnel in order to guarantee the best performances.

Any repairs or adjustments which may be subsequently required may only be carried out by qualified personnel with the utmost care and attention.

For this reason, always contact your Dealer or our nearest After Sales Service Center whenever repairs or adjustments are required, specifying the type of fault and the model of the appliance in your possession.

Please also note that genuine spare parts are only available from our After Sales Service Centers and authorized retail outlets.

The above data are printed on the data label put on the inferior part of the appliance and on the packing label.

The above informations give to the technical assistant the possibility to get fit spare parts and a heavensent intervention. We suggest to fill the table below.

MARK:	 
MODEL:	 
SERIES:	 