

# Instructions for the use - Installation advices

## BUILT-IN COOKING HOBS

EHS 935D1 SB

EHS 945D1 SB

EHS 948D1 S

# 100% ELBA QUALITY MADE IN ITALY



**ELBA**  
TALENT FOR COOKING



Made in Italy

## **Dear Customer,**

*Thank you for having purchased and given your preference to our product.*

*The safety precautions and recommendations reported below are for your own safety and that of others. They will also provide a means by which to make full use of the features offered by your appliance.*

*Please preserve this booklet carefully. It may be useful in future, either to yourself or to others in the event that doubts should arise relating to its operation.*

***This appliance must be used only for the task it has explicitly been designed for, that is for cooking foodstuffs. Any other form of usage is to be considered as inappropriate and therefore dangerous.***

***The manufacturer declines all responsibility in the event of damage caused by improper, incorrect or illogical use of the appliance.***

## IMPORTANT SAFETY PRECAUTIONS AND RECOMMENDATIONS

**IMPORTANT: This appliance is designed and manufactured solely for the cooking of domestic (household) food and is not suitable for any non domestic application and therefore should not be used in a commercial environment.**

**The appliance guarantee will be void if the appliance is used within a non domestic environment i.e. a semi commercial, commercial or communal environment.**

**Read the instructions carefully before installing and using the appliance.**

- This appliance has been designed and manufactured in compliance with the applicable standards for the household cooking products, including those for surface temperatures. Some people with sensitive skin may have a more pronounced temperature perception with some components although these parts are within the limits allowed by the norms. The complete safety of the appliance also depends on the correct use, we therefore recommend to always pay a extreme attention while using the product, especially in the presence of children.
- After having unpacked the appliance, check to ensure that it is not damaged. In case of doubt, do not use it and consult your supplier or a professionally qualified technician.
- Packing elements (i.e. plastic bags, polystyrene foam, nails, packing straps, etc.) should not be left around within easy reach of children, as these may cause serious injuries.
- Some appliances are supplied with a protective film on steel and aluminium parts. **This film must be removed before using the appliance.**
- **IMPORTANT:** The use of suitable protective clothing/gloves is recommended when handling or cleaning this appliance.
- Do not attempt to modify the technical characteristics of the appliance as this may become dangerous to use. The manufacturer declines all responsibility for any inconvenience resulting from the inobservance of this condition.

- CAUTION: this appliance must only be installed in a permanently ventilated room in compliance with the applicable regulations.
- Do not operate your appliance by means of an external timer or separate remote-control system.
- Do not carry out cleaning or maintenance operations on the appliance without having previously disconnected it from the electric power supply.
- Do not use a steam cleaner because the moisture can get into the appliance therefore making it unsafe.
- Do not cover the hob with aluminium foils.
- Do not touch the appliance with wet or damp hands (or feet).
- Do not use the appliance whilst in bare feet.
- If you should decide not to use this appliance any longer (or decide to substitute another model), before disposing of it, it is recommended that it be made inoperative in an appropriate manner in accordance to health and environmental protection regulations, ensuring in particular that all potentially hazardous parts be made harmless, especially in relation to children who could play with unused appliances.
- The various components of the appliance are recyclable. Dispose of them in accordance with the regulations in force in your country. If the appliance is to be scrapped, remove the power cord.
- After use, ensure that the knobs are in the off position.
- Children less than 8 years of age shall be kept away unless continuously supervised.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The manufacturer declines all liability for injury to persons or damage to property caused by incorrect or improper use of the appliance.

- **WARNING:** During use the appliance and its accessible parts become hot; they remain hot for some time after use.
  - Care should be taken to avoid touching heating elements on the hob.
  - To avoid burns and scalds, young children should be kept away.
- Make sure that electrical cables connecting other appliances in the proximity of the cooktop cannot come into contact with the hob.
- **WARNING:** Unattended cooking on a hob with fat or oil can be dangerous and may result in fire. **NEVER** try to extinguish a fire with water, but switch off the appliance and then cover flame e.g. with a lid or a fire blanket.
- **WARNING:** Danger of fire: do not store items on the cooking surfaces.
- **WARNING:** If the hob is cracked or otherwise damaged by falling objects etc., disconnect the appliance from the electrical power supply to avoid the possibility of electric shock and call Customer Service.
- **WARNING:** When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.
- **CAUTION:** The cooking process has to be supervised. A short term cooking process has to be supervised continuously.
- If the power supply cable is damaged, it must be replaced only by an authorized service agent in order to avoid a hazard.

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# **Advice for the installer**

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## **IMPORTANT :**

- The appliance is designed and approved for domestic use only and should not be installed in a commercial, semi commercial or communal environment.  
**Your product will not be guaranteed if installed in any of the above environments and could affect any third party or public liability insurances you may have.**
- This appliance is to be installed, regulated and adapted to function only by an authorized person in compliance with the current local regulations in force and in observation of the instructions supplied by the manufacturer.  
Failure to comply with this condition will render the guarantee invalid.
- The appliance must be installed in compliance with regulations in force in your country and in observation of the manufacturer's instructions.
- Installation technicians must comply to current laws in force concerning ventilation and the evacuation of exhaust gases.
- Incorrect installation, for which the manufacturer accepts no responsibility, may cause personal injury or damage.
- This appliance shall only be serviced by authorized personnel.
- Always disconnect the appliance from mains power supply before carrying out any maintenance operations or repairs.
  
- **Important: The use of suitable protective clothing/gloves is recommended when handling or cleaning of this appliance.**
- **These tops are designed to be embedded into kitchen fixtures measuring 600 mm in depth.**
- **The appliance must be housed in heat-resistant units.**
- **The walls of the units must not be higher than work top and must be capable of resisting temperatures of 105°C above room temperature.**
- **We would point out that the adhesive which bonds the plastic laminate to the furniture must withstand temperatures not less than 150°C to avoid delamination.**
- **Do not install the appliance near inflammable materials (eg. curtains).**

## **WARNING!**

**When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.**

# 1 INSTALLATION

## TECHNICAL INFORMATION FOR THE INSTALLER

In order to install the cooker top into the kitchen fixture, a hole with the dimensions shown in fig. 1.2 has to be made, bearing in mind the following:

- within the unit, between the bottom of the cooktop and the upper surface of a shelf there must be a clearance of at least 30 mm. It is absolutely essential that you place a separator between the base of the cooktop and the built-in unit or the oven;
- the cooker top must be kept no less than 200 mm away from any side wall (fig. 1.2);
- the hob must be installed at least 60 mm from the wall;
- there must be a distance of at least 650 mm between the hob and any wall cupboard or extractor hood positioned immediately above (see fig. 1.1);
- if the hob is installed over a built-in oven, there must be a distance of at least 30 mm between the two appliances. The two appliances shall be connected to the gas / electrical supply with independent connections.

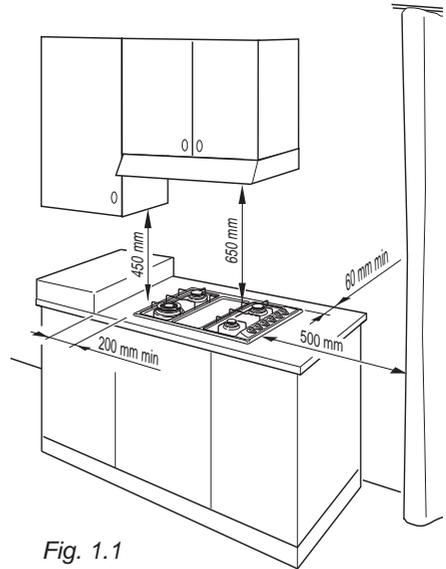


Fig. 1.1

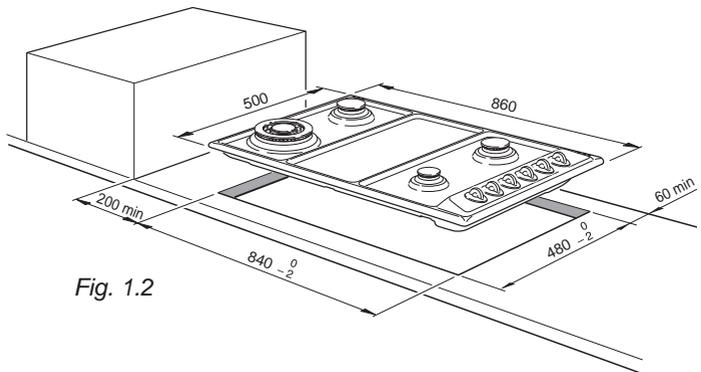


Fig. 1.2

## INSTALLATION IN KITCHEN CABINET WITH DOOR (fig. 1.3)

It is recommended that a 30mm clearance be left between to base of the cooktop and the separator.

The separator shall be heat resistant, made of low thermal conductivity material and shall be removable with the use of a tool for installation and service.

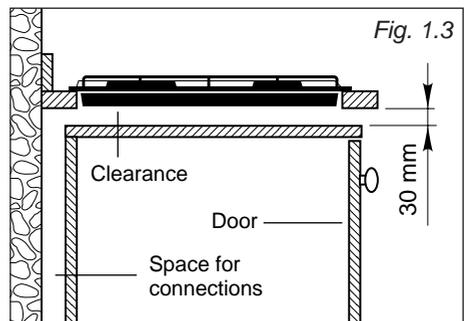


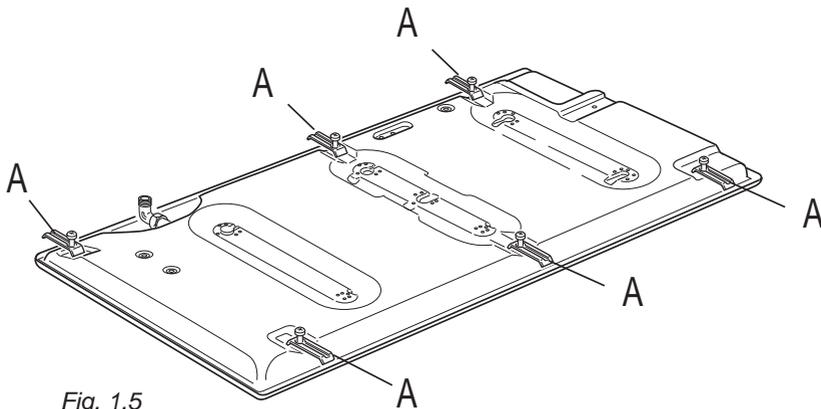
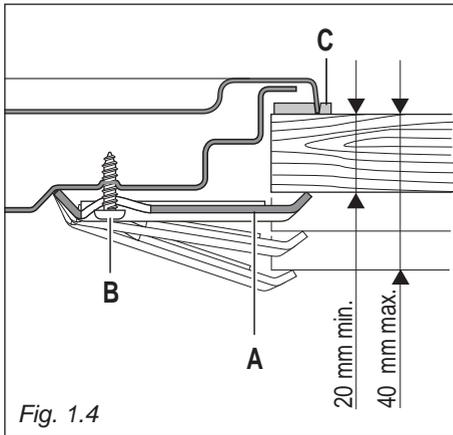
Fig. 1.3

## FASTENING THE INSTALLATION BRACKETS (fig. 1.4)

- Each cooker top is provided with an installation kit including brackets and screws for fastening the top to fixture panels from 2 to 4 cm thick.
- Turn the cooker top upside down and fasten the brackets “A” to the appropriate socket holes, without tightening the screws “B” for the moment.
- Make sure that the brackets are fastened as shown in figure 1.4.

## FASTENING THE COOKER TOP (fig. 1.5)

- Spread the sealing material “C” out along the fixture hole, making sure that the junctions overlap at the corners.
- Insert the cooker top into the hole and position it correctly.
- Adjust the position of the brackets “A” and tighten screws “B” to block the cooker top firmly in position.
- With a sharp cutter or trimmer knife trim the excess sealing material around the edge of the cooker top. Take care not to damage the benchtop.



## VENTILATION REQUIREMENTS

The appliance must be installed in compliance with applicable local regulations concerning ventilation and the evacuation of exhaust gases.

Intensive and prolonged use may require extra ventilation, e.g. opening a window, or more efficient ventilation increasing the mechanical suction power if this is fitted.

## CHOOSING SUITABLE SURROUNDINGS

The room where the gas appliance is to be installed must have a natural flow of air so that the gas can burn (in compliance with applicable local regulations).

The flow of air must come directly from one or more openings made in the outside walls with a free area of at least 100 cm<sup>2</sup> (or refer to applicable local regulations).

The openings should be near the floor and preferably on the side opposite the exhaust for combustion products and must be made so that they cannot be blocked from either the inside or the outside.

When these openings cannot be made, the necessary air can come from an adjacent room which is ventilated as required, as long as it is not a bed room or a danger area (in compliance with applicable local regulations).

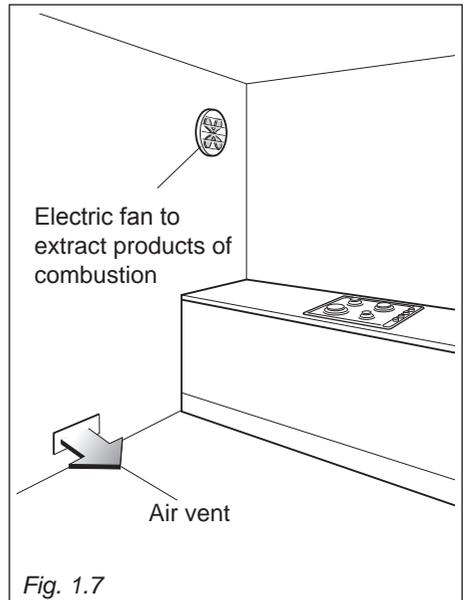
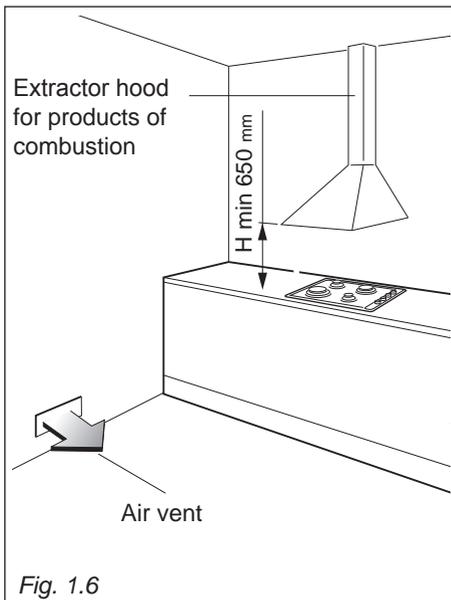
In this case, the kitchen door must allow the passage of the air.

## DISCHARGING PRODUCTS OF COMBUSTION

Extractor hoods connected directly to the outside must be provided, to allow the products of combustion of the gas appliance to be discharged (fig. 1.6).

If this is not possible, an electric fan may be used, attached to the external wall or the window; the fan should have a capacity to circulate air at an hourly rate of 3-5 times the total volume of the kitchen (fig. 1.7).

The fan can only be installed if the room has suitable vents to allow air to enter, as described under the heading "Choosing suitable surroundings".



## GAS INSTALLATION REQUIREMENTS

### Important !

- Before installation, make sure that the local distribution conditions (gas type and pressure) and the adjustment of this appliance are compatible. The appliance adjustment conditions are given on the plate or the label.
- This appliance must be installed and serviced only by a suitably qualified, registered installer with technical knowledge of both gas installation and electricity. The installation or service must comply with the current editions of the applicable standards, regulations, and codes of practice governing gas and electrical installations.
- Failure to install the appliance correctly could invalidate any manufacturer's warranty.

This appliance is supplied for use on Natural gas, LPG or Town Gas (check the gas regulation label attached on the appliance).

- Appliances supplied for use on Natural gas: they are adjusted for this gas only and cannot be used on any other gas (LPG or Town gas) without modification. The appliances are manufactured for conversion to LPG and Town gas.
- Appliances supplied for use on LPG: they are adjusted for this gas only and cannot be used on any other gas (Natural or Town gas) without modification. The appliances are manufactured for conversion to Natural and Town gas.
- Appliances supplied for use on Town gas: they are adjusted for this gas only and cannot be used on any other gas (Natural gas or LPG) without modification. The appliances are manufactured for conversion to Natural gas and LPG.

If the Natural gas/LPG/Town gas conversion kit is not supplied with the appliance this kit can be purchased by contacting the After-Sales Service.

## CONNECTING THE COOKTOP TO THE GAS SUPPLY

- The gas connection must be carried out by an authorised person according to the relevant local standards.
- Ensure that the room in which the cooktop is to be installed is adequately ventilated, in compliance with applicable regulations.
- **Note:** Connection to the gas supply may be made using either a rubber hose (where permitted) or by using a flexible hose or rigid pipe.
- The rear of the chassis is recessed to provide a channel for the appliance inlet pipe.
- The gas connection fitting (brass elbow) can be turned in the direction required (but never in a vertical or horizontal position) after loosening the elbow and floating nut connection. Never attempt to turn the elbow without having first loosened the floating nut.
- The supplied sealing washers guarantee a good seal for the gas connection. We recommend that you replace the sealing washers on the slightest sign of wear, deformation or imperfection.
- After connecting to the gas mains, check that the couplings are correctly sealed, using soapy solution, but never a naked flame.

## GAS CONNECTION WITH A RUBBER HOSE

### Important !

A rubber hose connection shall only be made if permitted by the applicable local regulations.

The gas connection fitting (fig. 2.1) is made up of:

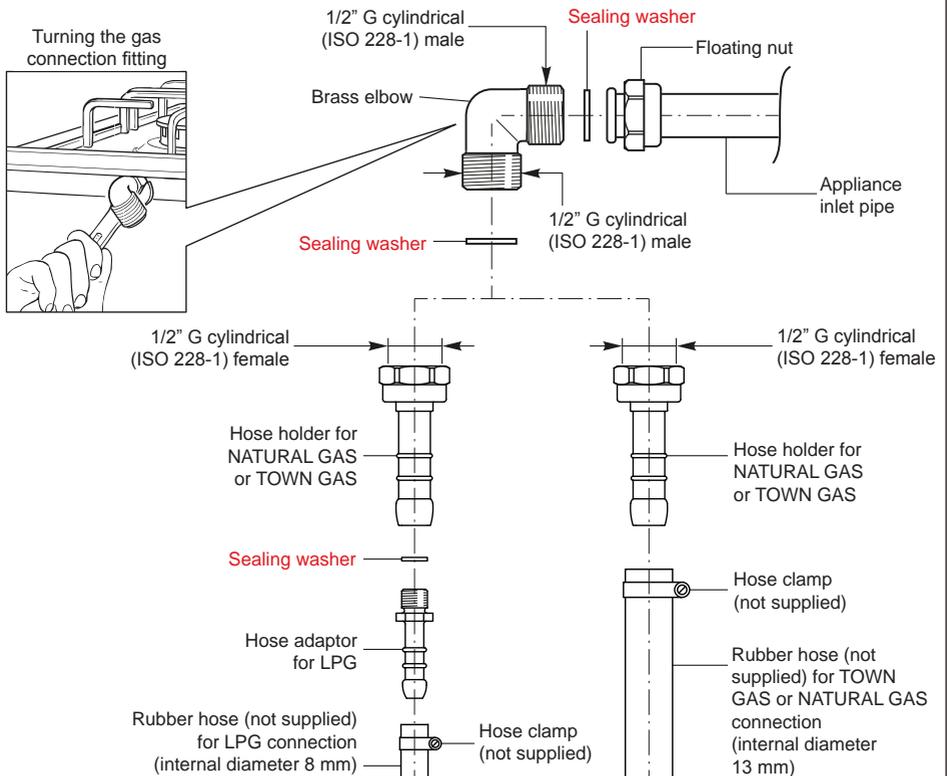
- the appliance inlet pipe;
- the floating nut;
- the brass elbow;
- **the sealing washers;**
- the appropriate hose holder (for LPG, TOWN GAS or NATURAL GAS).

Fig. 2.1

### Gas connection with rubber hose holder

**Note:** if not already fitted on the inlet pipe, the hose holder is supplied with the product in a separate kit; if not supplied with the appliance it can be purchased by contacting Customer Care.

**(Important: to be used ONLY IF PERMITTED by the local applicable regulations)**



### **Connecting the appliance to LPG**

1. If not already fitted, fit the TOWN GAS/NATURAL GAS hose holder on the inlet pipe, making sure that you place the sealing washer between them (as shown in fig. 2.1); then fit the LPG adaptor to the TOWN GAS/NATURAL GAS hose holder, making sure that you place the sealing washer between them (as shown in fig. 2.1).

**Important! The LPG hose holder is composed by TOWN GAS/NATURAL GAS hose holder with LPG hose adaptor screwed at the bottom end (interposing the proper sealing washer between them).**

2. Connect the appliance to the gas supply using a suitable rubber hose (internal diameter 8 mm).

The hose must comply with the applicable local regulations and be of the correct construction for the type of gas being used.

3. Make sure that the hose is tightly and securely fitted at both ends.
4. Use a standard hose clamp (not supplied) to fasten the hose.
5. Install a gas pressure regulator.

### **Important!**

**To comply with applicable local regulations, a gas pressure regulator (conforming to the local regulations in force) must be installed when connecting the appliance to an LPG cylinder.**

### **Connecting the appliance to TOWN GAS or NATURAL GAS**

1. If not already fitted, fit the TOWN GAS/NATURAL GAS hose holder on the inlet pipe, making sure that you place the sealing washer between them (as shown in fig. 2.1).
2. Connect the appliance to the gas supply using a suitable rubber hose (internal diameter 13 mm).

The hose must comply with the applicable local regulations and be of the correct construction for the type of gas being used.

3. Make sure that the hose is tightly and securely fitted at both ends.
4. Use a standard hose clamp (not supplied) to fasten the hose.

### **When connecting the appliance to the gas supply with a rubber hose, make sure that**

- the hose is as short as possible, without twists or kinks.
- the hose is not longer than 750 mm (or refer to applicable local regulations) and does not come into contact with sharp edges, corners or moving parts, as these may cause abrasion. Use a single rubber hose only; never connect the appliance with more than one rubber hose.
- the hose is not under tension, twisted, kinked, or too tightly bent, neither while the appliance is in use nor while it is being connected or disconnected.
- the hose does not come into contact with any part of the appliance with a surface temperature of 70°C or above (or refer to applicable local regulations).
- the hose is not subject to excessive heat by direct exposure to flue products or by contact with hot surfaces.
- the hose can easily be inspected along its entire length to check its condition.
- the hose is replaced at the printed due date or if it shows signs of wear or damage, and replaced regardless of its condition after a maximum of three years.
- you inform the customer that the gas cylinder valve or the gas supply valve immediately by the appliance should be closed when the cooktop is not in use.
- you inform the customer that the hose should not be subjected to corrosion by acidic cleaning agents.

**After connecting the appliance to the gas supply, make sure that you**

- check that the connections are correctly sealed using a soapy solution, but never a naked flame.
- check whether the injectors are correct for the type of gas being used. If not, follow the instructions under “GAS MAINTENANCE”.
- replace the sealing washer/s on the slightest sign of deformation or imperfection. The sealing washer/s is/are the part/s which guarantee/s a good seal in the gas connection.

**GAS CONNECTION WITH RIGID PIPES OR A FLEXIBLE HOSE**

The gas connection fitting (fig. 2.2) is made up of:

- the appliance inlet pipe;
- the floating nut;
- the brass elbow;
- **the sealing washers.**

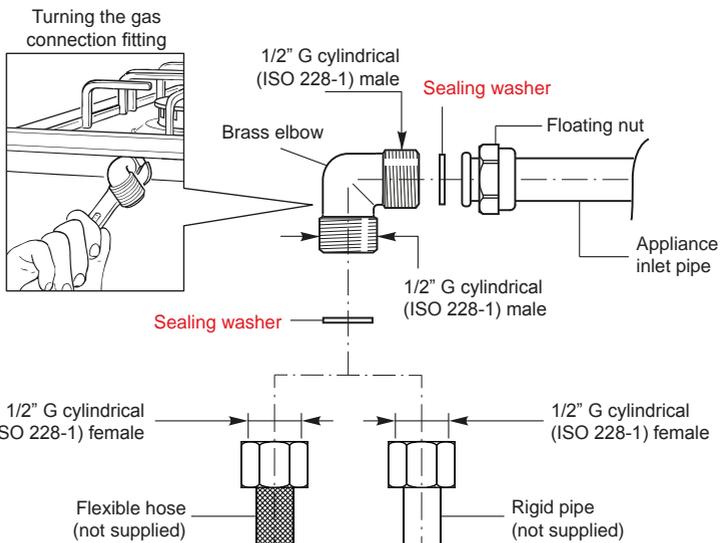
**Important!**

- If fitted, remove the hose holder from the terminal fitting of the inlet pipe.

Fig. 2.2

**Gas connection with rigid pipes or a flexible hose**

**Note: if already fitted on the inlet pipe, remove the rubber hose holder**



### **When connecting the appliance to the gas supply with rigid pipes or a flexible hose, make sure that**

- you use rigid pipes or a flexible hose complying with applicable local regulations. The flexible hose shall be of the correct construction for the type of gas being used and of the correct size to maintain the heat output of the appliance.
- the connection with rigid metal pipes does not cause stress or pressure to the gas piping.
- the flexible hose is not under tension, twisted, kinked or too tightly bent, neither while the appliance is in use nor while it is being connected or disconnected.
- the flexible hose does not exceed 2000 mm in length (or refer to applicable local regulations) and does not come into contact with sharp edges, corners or moving parts, as these may cause abrasion. Use a single flexible hose only; never connect the appliance with more than one flexible hose.
- the flexible hose can easily be inspected along its entire length to check its condition; if it has an expiry date, it should be replaced before that date.
- if using a flexible hose which is not entirely made of metal, make sure that it does not come into contact with any part of the cooktop with a surface temperature of 70°C or above (or refer to applicable local regulations).
- the flexible hose is not subject to excessive heat by direct exposure to flue products or by contact with hot surfaces.
- the rigid pipe or flexible hose is replaced if it shows signs of wear or damage.
- a gas pressure regulator, in compliance with the applicable local regulations, is installed when connecting to an LPG cylinder.
- the socket into which the plug of the flexible hose fit is permanently attached to a firmly fixed gas installation pipe and is positioned so that the hose hangs freely downwards.
- the plug of the flexible hose is accessible after installation, so that it can be disconnected for service or removal.
- you inform the customer that the cylinder valve or the supply valve immediately by the appliance should be closed when the cooktop is not in use.
- you inform the customer that the rigid pipe or flexible hose should not be subjected to corrosion by acidic cleaning agents.

### **After connecting the appliance to the gas supply, make sure that you**

- check that the connections are correctly sealed using a soapy solution, but never a naked flame.
- check whether the injectors are correct for the type of gas being used. If not, follow the instructions under “GAS MAINTENANCE”.
- replace the sealing washer/s on the slightest sign of deformation or imperfection. The sealing washer/s is/are the part/s which guarantee/s a good seal in the gas connection.

## **TESTING OPERATION**

The operation of the appliance **MUST** be tested before leaving.

Turn on the gas and light each burner. Check for a well-defined blue flame without any yellow tipping. If any abnormality is evident, check that the burner cap is located properly and the injector nipple is aligned correctly.

Check the minimum burner setting by quickly rotating the burner knobs from the maximum to the minimum position: the flame must not go out. If the adjustment is required, see section “SETTING THE MINIMUM OF THE COOKTOP BURNERS” following.

If satisfactory performance cannot be obtained, check the installation and notify the local gas supply authority of a gas supply problem, or if it is an appliance problem, Customer Care should be called to obtain the nearest authorised Service Agent.

# GAS MAINTENANCE

**TABLE FOR THE CHOICE OF THE INJECTORS**

BURNERS	Nominal power [kW]	Reduced power [kW]	LPG G30 28 mbar	Natural Gas G20 20 mbar	Town Gas G110 8 mbar
			Ø injector [1/100 mm]	Ø injector [1/100 mm]	Ø injector [1/100 mm]
Auxiliary (A)	1,00	0,30	50	77	145
Semi-rapid (SR)	1,75	0,45	66	101	192
Triple-ring (TR)	3,50	1,50	93	135	310

AIR VENT NECESSARY FOR GAS COMBUSTION = (2 m<sup>3</sup>/h x kW)

BURNERS	Air necessary for combustion [m <sup>3</sup> /h]
Auxiliary (A)	2,00
Semi-rapid (SR)	3,50
Triple-ring (TR)	7,00

## LUBRICATION OF THE GAS TAPS

In case of difficulty in the gas taps operation, call Service.

## IMPORTANT

**All intervention regarding installation maintenance of the appliance must be fulfilled with original factory parts.**

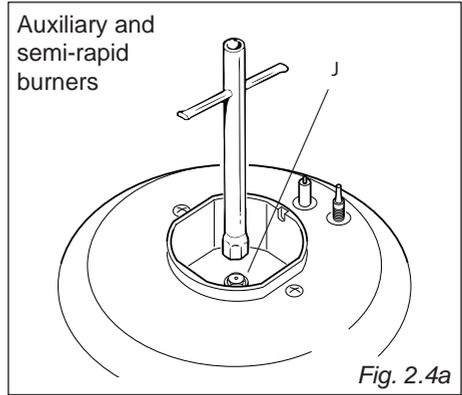
**The manufacturer declines any liability resulting from the non-compliance of this obligation.**

## REPLACEMENT OF THE INJECTORS

Select the injectors to be replaced according to the "TABLE FOR THE CHOICE OF THE INJECTORS".

The nozzle diameters, expressed in hundredths of a millimetre, are marked on the body of each injector.

**If the injectors are not supplied they can be obtained from the "Service Centre".**

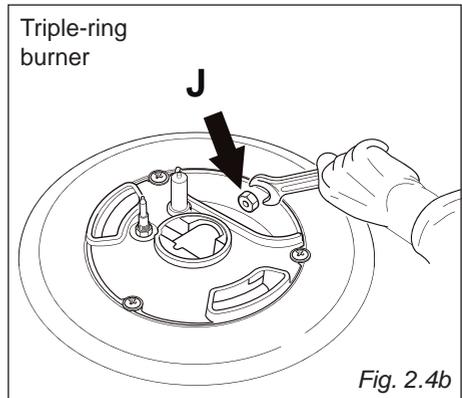


## REPLACEMENT OF THE INJECTORS OF THE COOKTOP BURNERS

To replace the injectors proceed as follows:

- Remove pan supports and burners from the cooktop.
- Using a wrench, substitute the injectors "J" (figs. 2.4a, 2.4b) with those most suitable for the kind of gas for which it is to be used.

**The burners are conceived in such a way so as not to require the regulation of the primary air.**



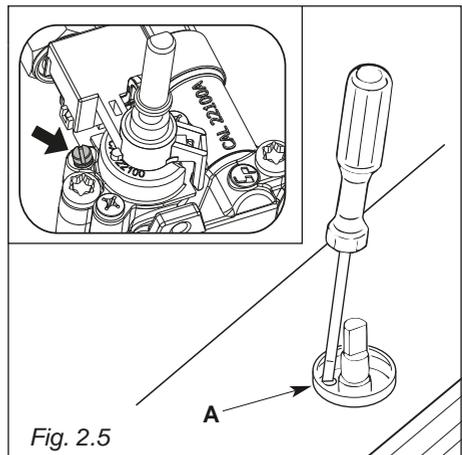
## SETTING THE MINIMUM OF THE COOKTOP BURNERS

In the minimum position the flame must have a length of about 4 mm and must remain lit even with a quick turn from the maximum position to that of minimum.

The flame adjustment is done in the following way:

- Turn on the burner.
- Turn the tap to the 'MINIMUM' position.
- Take off the knob.
- With a small flat screwdriver turn the screw "A" to the correct regulation (fig. 2.5).

**Normally for LPG tighten up the regulation screw.**



# 3

## ELECTRICAL SECTION

**Before effecting any intervention on the electrical parts the appliance must be disconnected from the network.**

**If the hob surface is cracked disconnect the appliance from the mains and contact the After-Sales Service.**

### GENERAL

- Connection to the electric power supply must be carried out by a qualified technician and following the appropriate safety regulations.
- The appliance must be connected to the mains checking that the voltage corresponds to the value given in the rating plate and that the electrical cable sections can withstand the load specified on the plate.
- If the hob is supplied without plug, fit a standard plug which is suitable for the power absorbed by the appliance and in conformity with the local rules in force.
- The colours of the wires in the appliance power cable may not correspond with the colours marked on the terminals of your electrical plug. The plug should always be wired as follows:
  - connect the green/yellow wire to the terminal marked with the letter 'E' or the earth symbol '⏏' or coloured green/yellow;
  - connect the blue wire to the terminal marked with the letter 'N' or coloured black;
  - connect the brown wire to the terminal marked with the letter 'L' or coloured red.
- The plug must be connected to an outlet connected to the grounding unit in conformity to security norms.

- If the appliance is to be connected directly to the mains, it must be placed with an omnipolar switch with minimum opening between the contacts of 3 mm between the appliance and the mains.
- The power supply cable must not touch the hot parts and must be positioned so that it does not exceed 50°C above ambient.
- Once the appliance has been installed, the power switch or power plug must always be in a accessible position.
- If the power supply cable is damaged it must be substituted by a suitable cable available in the after sales service.

**N.B. For connection to the mains, do not use adapters, reducers or branching devices as they can cause overheating and burning.**

In the event that installation should require modifications to the mains supply wiring system, it is recommended that a qualified technician be called to carry out substitution.

The technician will also have to verify that the cross-section of the electric cables on the power point match the appliance's power rating.

**The connection of the appliance to the grounding unit is mandatory. The manufacturer declines every responsibility for any inconvenience resulting from the inobservance of this condition.**

## POWER SUPPLY CABLE

### TYPE "H05V2V2-F"

(resistance to temperatures of 90°C)

230 V 50 Hz                      3 x 0,75 mm<sup>2</sup> (\*) (\*\*)

(\*) Connection possible with plug and outlet

(\*\*) Connection with wall box connection.

**WARNING: If the power supply cable is damaged, it must be replaced only by an authorised service agent in order to avoid a hazard.**

- The supply cable must be replaced with a cable of the same type.
- The electrical cable must be connected to the terminal board following the diagram of fig. 3.1.

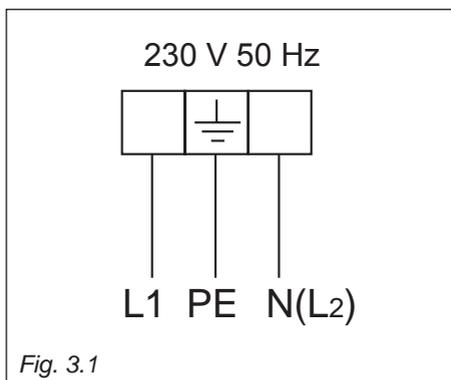


Fig. 3.1

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# **Advice for the users**

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# 1

## FEATURES AND HOW TO USE THE COOKTOP

Model: EHS 935D1 SB

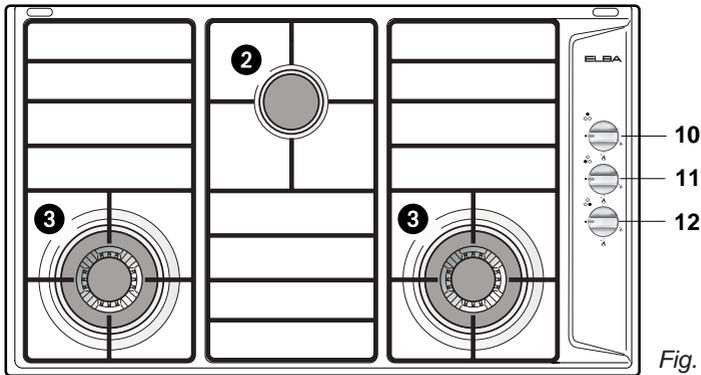


Fig. 1.1

Model: EHS 945D1 SB

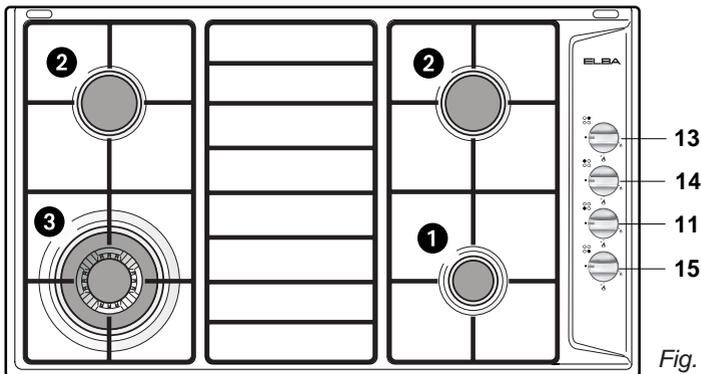


Fig. 1.2

Model: EHS 948D1 S

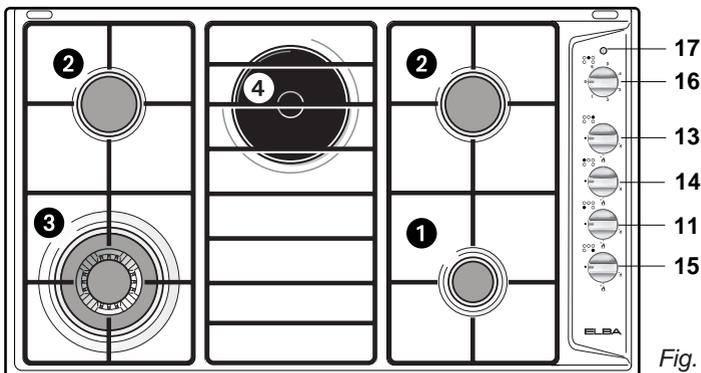


Fig. 1.3

## **GAS BURNERS**

1. Auxiliary (A) 1,00 kW
2. Semirapid (SR) 1,75 kW
3. Triple-ring (TR) 3,50 kW

## **CAST IRON ELECTRICAL HOTPLATE**

4. Ø 145 mm, Normal 1000 W

## **CONTROL PANEL DESCRIPTION**

10. Burner control knob (A - rear central)
11. Burner control knob (TR - front left)
12. Burner control knob (TC - front right)
13. Burner control knob (SR - rear right)
14. Burner control knob (SR - rear left)
15. Burner control knob (A - front right)
16. Electrical plate control knob
17. Electrical plate warning light

## **NOTES:**

- The electric ignition is incorporated in the knobs.
- The model has a safety valve system fitted, the flow of gas will be stopped if and when the flame should accidentally go out.

### **CAUTION:**

**If the burner is accidentally extinguished, turn the gas off at the control knob and wait at least 1 minute before attempting to relight.**

### **CAUTION:**

**Gas hobs produce heat and humidity in the environment in which they are installed.**

**Ensure that the cooking area is well ventilated by opening the natural ventilation grilles or by installing an extractor hood connected to an outlet duct.**

### **CAUTION:**

**If the hob is used for a prolonged time it may be necessary to provide further ventilation by opening a window or by increasing the suction power of the extractor hood (if fitted).**

## 2 GAS BURNERS

### GAS BURNERS

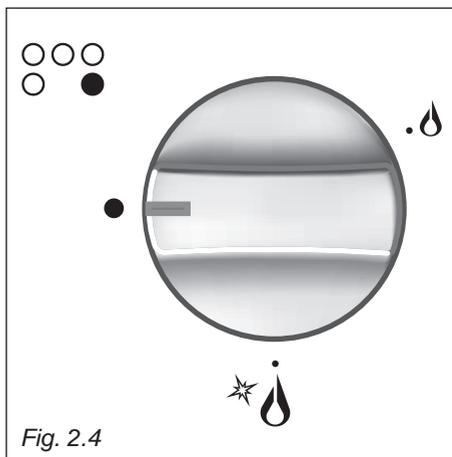
Gas flow to the burners is adjusted by turning the knobs (illustrated in fig. 2.4) which control the safety valves.

Turning the knob, so that the indicator line points to the symbols printed on the panel, achieves the following functions:

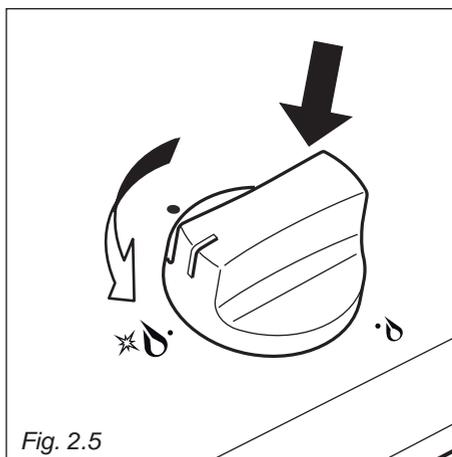
- symbol  closed valve
  - symbol  maximum aperture or flow
  - symbol  minimum aperture or flow
- The maximum aperture position permits rapid boiling of liquids, whereas the minimum aperture position allows slower warming of food or maintaining boiling conditions of liquids.
  - To reduce the gas flow to minimum rotate the knob further anti-clockwise to point the indicator towards the small flame symbol.
  - Other intermediate operating adjustments can be achieved by positioning the indicator between the maximum and minimum aperture positions, and never between the maximum aperture and closed positions.

**N.B. When the cooktop is not being used, set the gas knobs to their closed positions and also close the cock valve on the gas bottle or the main gas supply line.**

**Caution!**  
The cooking hob becomes very hot during operation.  
Keep children well out of reach.



**NOTE:**  
The knobs and symbols may vary.



**Caution!**  
Do not cover the hob with aluminium foils.

## LIGHTING THE BURNERS

To ignite the burner, the following instructions are to be followed:

1. Press in the corresponding knob and turn counter-clockwise (fig. 2.5) to the full flame position marked by the “” symbol (fig. 2.4); hold the knob in until the flame has been lit. In the case of a mains failure light the burner with a match or lighted taper.
2. Wait for a few seconds after the gas burner has been lit before letting go of the knob (valve activation delay).
3. Adjust the gas valve to the desired position.

If the burner flame should go out for some reason, the safety valve will automatically stop the gas flow.

To re-light the burner, return the knob to the closed “” position, **wait for at least 1 minute** and then repeat the lighting procedure.

If your local gas supply makes it difficult to light the burner with the knob set to maximum, set the knob to minimum and repeat the operation.

## BATTERY IGNITION

### (models with battery ignition)

If the electronic ignition does not work make sure that the battery, installed on the back of the hob, is not flat and has been installed correctly (see the chapter “Installing the battery for electric ignition”, page 30, 31).

**The ignition device shall not be operated for more than 15 seconds. If after 15 seconds the burner has not lit, stop operating the device and open the compartment door of the cabinet underneath (if available) and/or wait at least 1 minute before attempting a further ignition of the burner.**

## CHOICE OF THE BURNER

On the control panel, near every knob there is a diagram that indicates which burner is controlled by that knob.

The suitable burner must be chosen according to the diameter and the capacity used.

The burners and pans must be used in accordance with the following instructions:

### DIAMETERS OF PANS WHICH MAY BE USED ON THE BURNERS

**NOTE: Depending on the model, the cooktop may only have some of the following burners**

BURNERS	MINIMUM	MAXIMUM
Auxiliary	12 cm	14 cm
Semirapid	16 cm	24 cm
Triple-ring	26 cm	28 cm
Wok	Max 36 cm	

**do not use pans with concave or convex bases**

It is important that the diameter of the pot be suitable to the potentiality of the burner so as not to compromise the high output of the burners and therefore energy waste. A small pot on a large burner does not give you a boiling point in a shorter amount of time since the capacity of heat absorption of a liquid mass depends on the volume and the surface of the pot.

**CAUTION:** Make sure the pans are central to the burner for maximum stability and greater efficiency.

Make sure the pans are not in contact with the control knobs, otherwise the flame could overheat the knobs and permanently damage them.

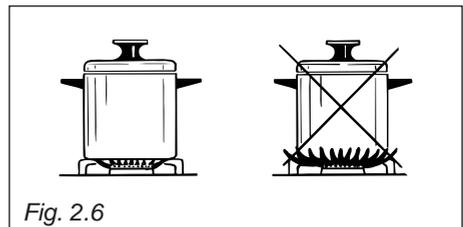


Fig. 2.6

## SPECIAL WOK GRILLE (figs. 2.7a - 2.7b)

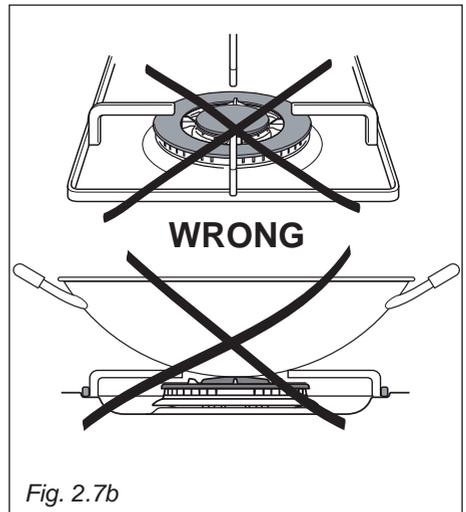
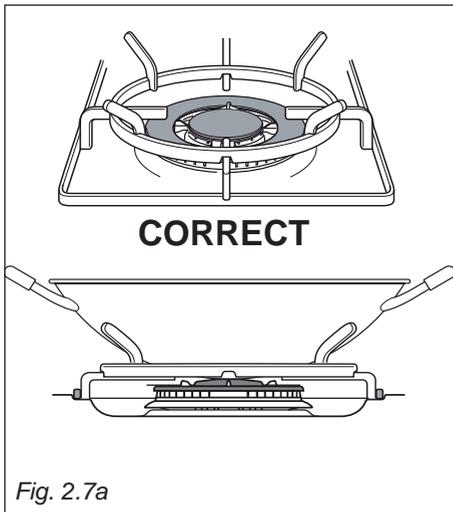
This special grille for woks should be placed over the pan-rest for the triple ring burner.

### Warning:

- Using woks without this special grille may cause the burner to malfunction.
- Do not use the grille for ordinary, flat-bottomed saucepans.

### IMPORTANT:

The special grille for wok pans **MUST BE PLACED ONLY** over the pan-rest for the triple-ring burner.



## ELECTRIC HOTPLATE (Model: EHS 948D1 S NK)

To switch on the hotplate, turn the knob (fig. 2.8) onto the desired position; the numbers “1” to “6” indicate the working positions with the increase of temperature according to the number.

Once boiling point has been reached, reduce the input according to the heating intensity desired, keeping in mind that the plate will continue to heat for 5 minutes after having been turned off.

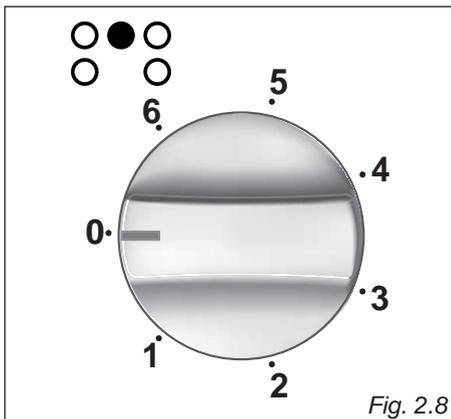
### Caution!

**Do not cover the hob with aluminium foils.**

### NOTE:

**The knobs and symbols may vary.**

**Caution! The cooking hob becomes very hot during operation.  
Keep children well out of reach.**



## PROPER USE OF THE ELECTRIC HOTPLATE (fig. 2.9)

When the pan comes to the boil, turn the heat down to the level desired.

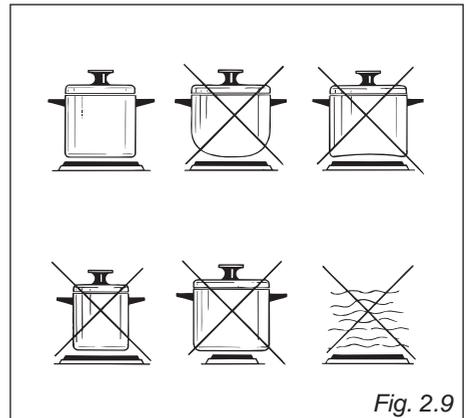
Remember that the hotplate will continue to produce heat for about five minutes after it has been turned off.

While using the electric hotplate, you must:

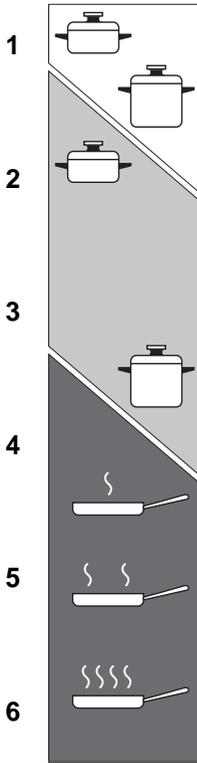
- avoid keeping it on without something on it;
- avoid pouring liquids on it while it is hot;
- use flat-bottomed (electric hotplate type) pots and pans only;
- use cooking receptacles which cover as much of the surface of the hotplate as possible;
- to save electricity, use lids whenever possible;

An indicator light located on the control panel signals that the hotplate is operating.

**Never cook food directly on the electric hotplates! Always use a saucepan or special container.**



## ELECTRIC HOTPLATE USAGE TABLE



Heating



Cooking



Roasting-frying

Position of switch	TYPE OF COOKING
<b>0</b>	Switched OFF
<b>1</b> <b>2</b>	For melting operations (butter, chocolate).
<b>2</b>	To maintain food hot and to heat small quantities of liquid (sauces, eggs).
<b>3</b>	To heat bigger quantities; to whip creams and sauces. (vegetables, fruits, soups).
<b>3</b> <b>4</b>	Slow boiling, i.e.: boiled meats, spaghetti, soups, continuations of steam, cooking of roasts, stews, potatoes.
<b>4</b>	For every kind of frying, cutlets, uncovered cooking, i.e.: risotto.
<b>4</b> <b>5</b>	Browning of meats, roasted potatoes, fried sh, omelettes, and for boiling large quantities of water.
<b>6</b>	Fast frying, grilled steaks, etc.

After a short period of use, experience will teach you which setting is the right one for your needs.

Fig. 2.10

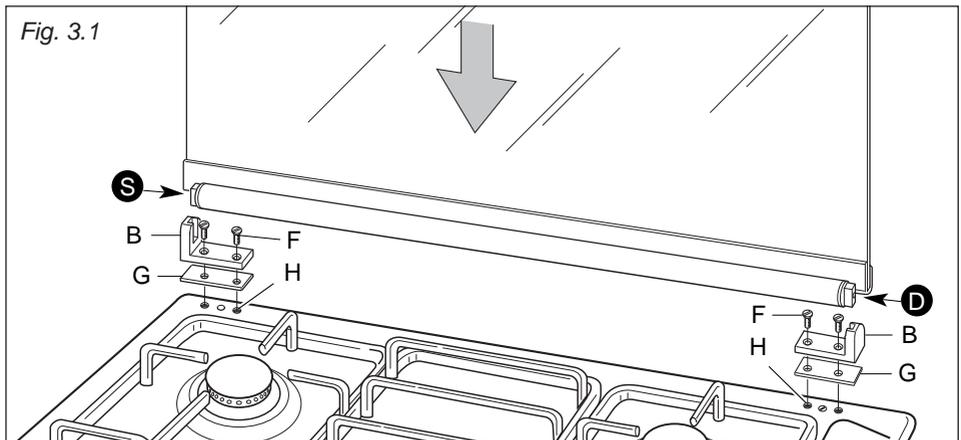
# 3

## CLEANING AND MAINTENANCE

### GLASS LID - optional

#### INSTALLATION OF THE GLASS LID

1. Remove gently the 2 hole-cover plates (**T**) from the rear edge of the cooking hob, being careful not to chip the enamel (fig. 3.2).
2. Thread the 4 holes (**H**) with the screws (**F**) (fig. 3.1). Lubricate the screws with an oil drop to make easy the screwing.
3. Insert the gaskets (**G**) under each hinge support (fig. 3.1).
4. House the right and left (**B**) hinge supports, then fasten by the screws (**F**).
5. Slip on the hinges on the side housings of the rear profile.  
**IMPORTANT:** in the right housing we have to insert the hinge marked "**D**", while in the left housing we have to insert the hinge marked "**S**".
6. Assemble the lid by inserting the hinges on the two supports.



## COOKING HOBS WITH GLASS LID (optional)



**Do not shut lid when  
burner alight.**

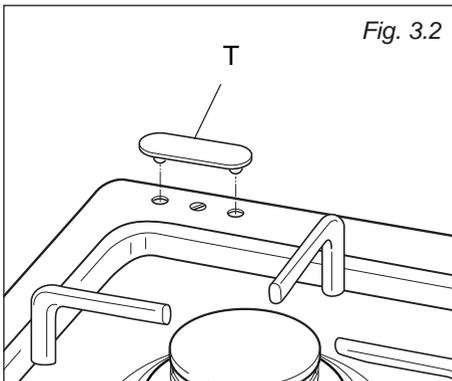
### ATTENTION

- ✓ Do not lower the glass lid when the gas burner or electrical plates are still hot and when the oven, installed below the cooking hob, is on or still hot.
- ✓ Do not lay on the glass lid hot pans and heavy kitchen utensils.
- ✓ Dry off any liquid which may have spilt on the cover before opening it.

## CLEANING

- To clean, it is easy to remove the lid by pulling it upwards once it is fully open. If the hinges ought to slip out, see to set them again following the instructions.

**IMPORTANT:** in the right housing we have to insert the hinge marked “D”, while in the left housing we have to insert the hinge marked “S” (fig. 3.1).



*Fig. 3.2*

## BATTERY FOR ELECTRIC IGNITION (some models only)

In some models the battery is the power supply for the electronic ignition of gas burners.

Batteries last on average for about two years (alkaline battery) depending on how often the electronic ignition is used.

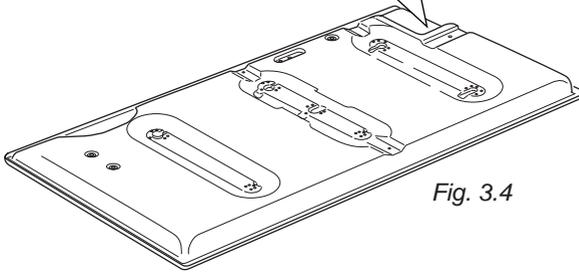
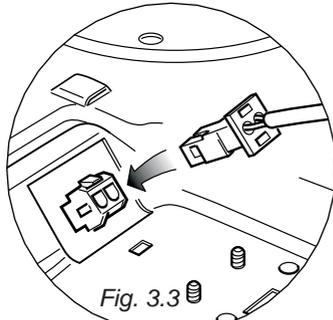


Fig. 3.4

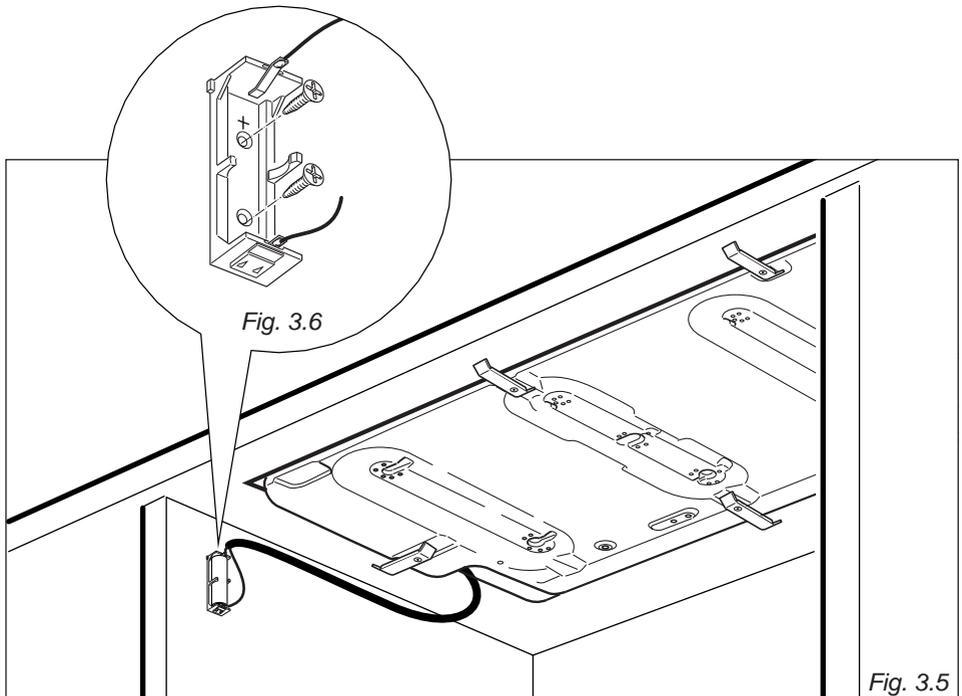


Fig. 3.5

## FITTING THE BATTERY IGNITION SUPPLY

- Remove pan supports and burners from the cooktop.
- Turn over the cooktop: be careful to lay on a soft surface so that it cannot be damaged.
- Connect the battery cable plug to the socket as indicated in figure 3.4.
- Fit the cooktop into the cabinet unit as described in the Installation chapter.
- Fix the battery holder to the cabinet unit (figures 3.5 - 3.6) with 2 suitable screws (not supplied). We suggest to position the support as per figure 3.5, on the left wall of the cabinet. Then fix the cable to the cabinet wall with suitable clamps (not supplied).

**Important: do not secure the battery support to the hob casing.**

- Insert a type AA battery (1.5 Volt) into the battery holder (fig. 3.7).

## Important notes:

- Remove the battery if the cooking hob is not going to be used for a long time.
- If the battery leaks, replace it immediately. Avoid touching the leaked liquid and make sure it does not come into contact with clothes or other items.
- Clean the battery compartment carefully before installing the new one.
- **Note:** The battery is a potential source of danger for children. Keep them away.
- Dispose of flat batteries properly.

## NOTES FOR BATTERY INSTALLATION OR REPLACEMENT:

- Only use a type AA 1.5 Volt battery.
- Check for correct polarity (fig. 3.7).

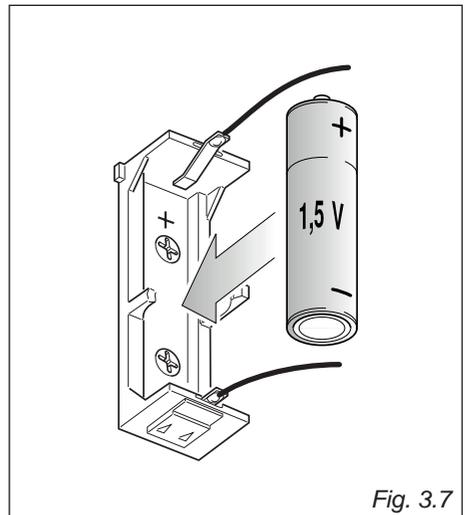


Fig. 3.7

## GENERAL ADVICE

- Before you begin cleaning, you must ensure that the appliance is switched off and disconnected from the electrical power supply.
- **Important: The use of suitable protective clothing/gloves is recommended when handling or cleaning of this appliance.**
- **Under no circumstances should any external covers be removed for servicing or maintenance except by suitable qualified personnel.**
- It is advisable to clean when the appliance is cold and especially when cleaning the enamelled parts.
- Be very careful that no water penetrates inside the appliance.
- Avoid leaving alkaline or acidic substances (lemon juice, vinegar, etc.) on the surfaces.
- Avoid using cleaning products with a chlorine or acidic base.
- **Do not use a steam cleaner because the moisture can get into the appliance thus make it unsafe.**

**WARNING! When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.**

**Important: The manufacturer declines all liability for possible damage caused by the use of unsuitable products to clean the appliance.**

**Attention! The appliance gets very hot, mainly around the cooking areas. It is very important that children are not left alone in the kitchen when you are cooking.**

**Do not use a steam cleaner because the moisture can get into the appliance thus make it unsafe.**

## ENAMELLED SURFACES

All the enamelled parts must be cleaned with a sponge and soapy water only or other non-abrasive products. Dry preferably with a microfibre or soft cloth.

If acid substances such as lemon juice, tomato conserve, vinegar etc. are left on the enamel for a long time they will etch it, making it opaque.

## STAINLESS STEEL SURFACES

Stainless steel parts must be rinsed with water and dried with a soft and clean cloth.

For persistent dirt, use specific non-abrasive products available commercially or a little hot vinegar.

## PAINTED PARTS AND SILKSCREEN PRINTED SURFACES

Clean using an appropriate product. Always dry thoroughly.

**IMPORTANT:** these parts must be cleaned very carefully to avoid scratching and abrasion. You are advised to use a soft cloth and neutral soap.

**CAUTION: Do not use abrasive substances or non-neutral detergents as these will irreparably damage the surface.**

## GAS TAPS

- Do not let cleaning products come into contact with the valves.
- Periodic lubrication of the gas taps must be carried out by specialist personnel only.
- In the event of operating faults in the gas taps, call the Service Department.

## **HOT PLATE (MODELS WITH CAST IRON ELECTRICAL HOTPLATE ONLY)**

Foods burned on the hot plates must always be cleaned dry.

Do not use water to avoid the forming of rust.

After its use, pour a bit of oil onto the warm plate and rub with a cloth.

## **BURNERS AND PAN SUPPORTS**

These parts must be cleaned using a sponge and soapy water or other suitable non-abrasive products. Dry with a soft cloth.

**Warning! Not dishwasher safe.**

After cleaning, the burners and their flame spreaders must be well dried and correctly replaced.

It is very important to check that the burner flame spreader and the cap have been correctly positioned. Failure to do so can cause serious problems.

Check that the electrode “**S**” (figs. 3.8, 3.10) next to each burner is always clean to ensure trouble-free sparking.

Check that the probe “**T**” (figs. 3.8, 3.10) next to each burner is always clean to ensure correct operation of the safety valves.

**Both the probe and ignition plug must be very carefully cleaned.**

**Note: To avoid damage to the electric ignition do not use it when the burners are not in place.**

**Note: Continuous use may cause a change in the glaze around the burners and grids, corresponding to the areas exposed to the heat. This is a natural phenomenon and does not prevent the parts from working properly.**

## **CORRECT REPLACEMENT OF THE AUXILIARY, AND SEMI-RAPID BURNERS**

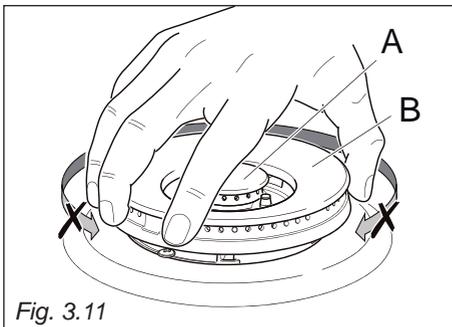
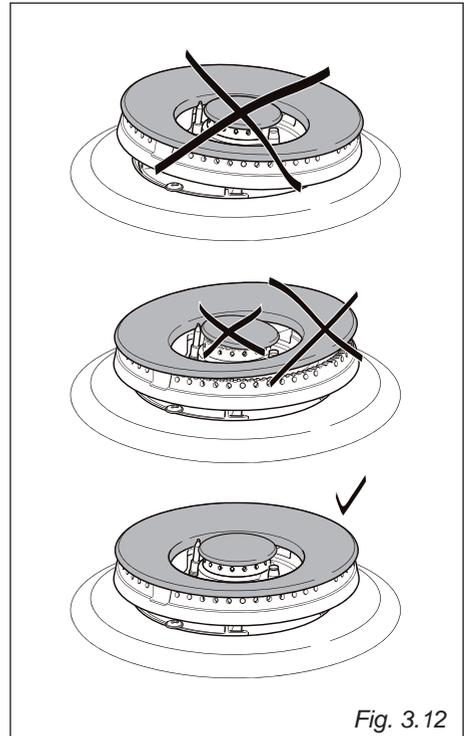
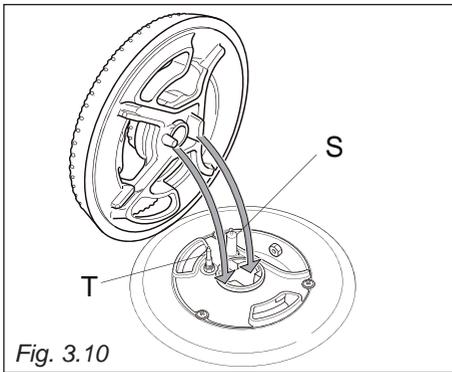
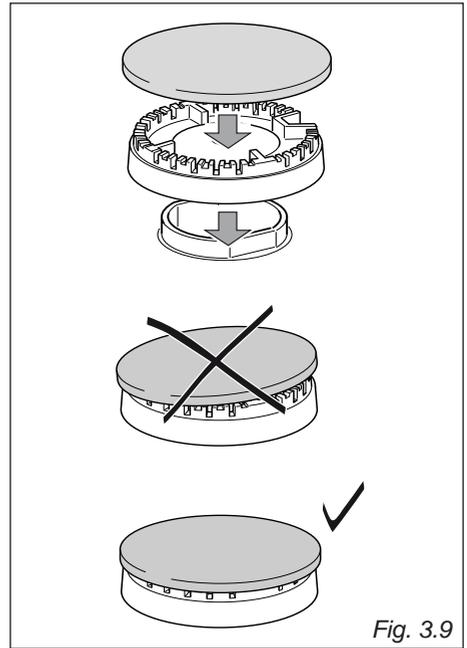
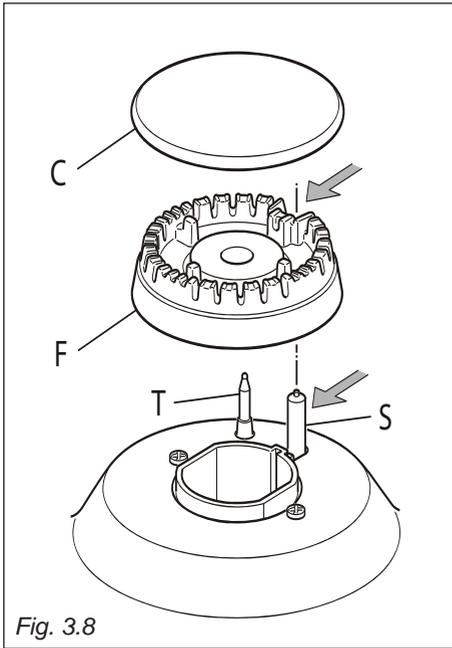
It is very important to check that the burner flame distributor “**F**” and the cap “**C**” have been correctly positioned (see figs. 3.8, 3.9) - failure to do so can cause serious problems.

## **CORRECT REPLACEMENT OF THE TRIPLE RING BURNER**

The triple ring burner must be correctly positioned (see fig. 3.12); the burner rib must be enter in their logement as shown by the arrow (see fig. 3.10).

The burner correctly positioned must not rotate (fig. 3.11).

Then position the cap “**A**” and the ring “**B**” (figs. 3.11, 3.12).





The manufacturer cannot be held responsible for possible inaccuracies due to printing or transcription errors in the present booklet.

The manufacturer reserves the right to make all modifications to its products deemed necessary for manufacturer commercial reasons at any moment and without prior notice, without jeopardising the essential functional and safety characteristics of the appliances.

