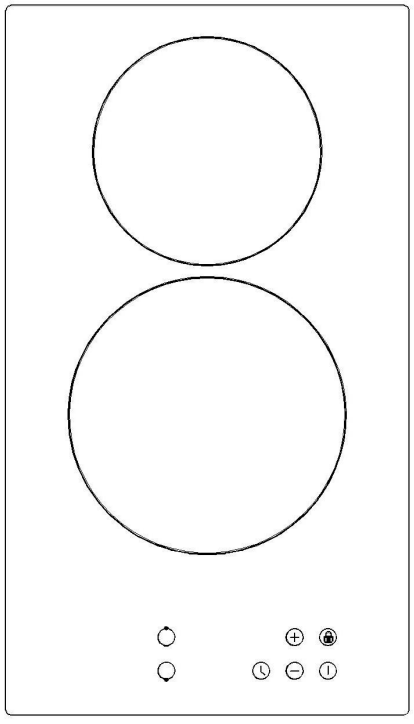
COOKOLOGY

TCH301

Ceramic Hob
Instruction Manual



Please register the warranty for this product on www.Cookology.com

Content

1.....Safety instructions

2.....Installation

3.....Description of the Ceramic hob surface layout

4.....Using the ceramic hob

5.....Hob guidelines

6.....Maintenance and cleaning

7.....Environmental note

Safety instructions

This User Instruction Manual contains important information, including safety & installation points, which will enable you to get the most out of your appliance. Please keep it in a safe place so that it is easily available for future reference; for you or any person not familiar with the operation of the appliance.



Caution!

- Do not use the ceramic hob until you have read this instruction manual. The ceramic hob is intended for household use only.
- The appliance becomes hot during operation. Take care not to touch the hot surface.
- Always keep children away from the ceramic hob.
- While in operation direct contact with the ceramic hob may cause burns!
- Ensure that small items of household equipment, including connection leads, do not touch the hob as the insulation material of this equipment is usually not resistant to high temperatures.
- Do not leave the ceramic hob unattended when frying. Oils and fats may catch fire due to overheating or boiling over.
- Do not switch on the hob until a pan has been placed on it.
- Do not put pans weighing over 25kg on the hob.
- Do not use the ceramic hob in the event of a technical fault. Any faults must be fixed by an appropriately qualified and authorized person.
- In the event of any incident caused by a technical fault, disconnect the power and report the fault to the service centre to be repaired.
- The rules and provisions contained in this instruction manual should be strictly observed. Do not allow anybody who is not familiar with the contents of this instruction manual to operate the ceramic hob.
- The ceramic hob should not be cleaned using steam cleaning equipment.
- IMPORTANT: The adjacent furniture or housing and all materials used in the installation must be able to withstand a minimum temperature of 95°C above the ambient temperature of the room it is located in, whilst in use.
- Any damage caused by the appliance being installed in contravention of this temperature limit, or by placing adjacent cabinet materials closer than 4mm to the appliance, will be the liability of the owner.
- This appliance complies with all current European safety legislation. We do wish to emphasize that this compliance does not remove the fact that the appliance surfaces will become hot during use and retain heat after operation.

Child Safety

- We strongly recommend that babies and young children are prevented from being near to the appliance and not allowed to touch the appliance at any time.

- If it is necessary for younger family members to be in the kitchen, please ensure that they are kept under close supervision at all times.

General Safety

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- 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.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- Do not allow electrical fittings or cables to come into contact with areas on the appliance that get hot.
- Do not use the appliance to heat the room it is located in or to dry clothing.
- Do not install the appliance next to curtains or soft furnishings.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance is not intended to be operated by means of an external timer or separate remote-control system.
- Power cord can’ t accessible after installation.
- This product can be worked but not through outside timer and remote control.
- Warning: If the surface is cracked, switch off the appliance to avoid the possibility of electric shock, for hob surfaces of glass ceramic or similar material which protect live parts.
- Warning: a steam cleaner is not be used.
- CAUTION: The cooking process has to be supervised. A short term cooking process has to be supervised continuously.
- WARNING: Unattended cooking on a hob with fat or oil can be dangerous and may result in a fire.
- This appliance should be connected to a circuit which incorporates an isolating switch which can accessible by the user after installation providing full disconnection from the power supply. The disconnection may be achieved by incorporating a switch in the fixed wiring in accordance with the wiring rules.
- Warning: Before obtaining access to terminals, all supply circuits must be disconnected.
- WARNING: Use only hob guards designed by the manufacturer of the cooking appliance or indicated by the manufacturer of the appliance in the instructions for use as suitable or hob guards incorporated in the appliance. The use of inappropriate guards can cause accidents.
- WARNING: The appliance and its accessible parts become hot during use.
- Care should be taken to avoid touching heating elements.
- Regarding the instructions for how to Installation,thanks to refer to the section “Installation”.

- 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.

- Ensure that the power cord does not touch the bottom shell after hob installing

Installation

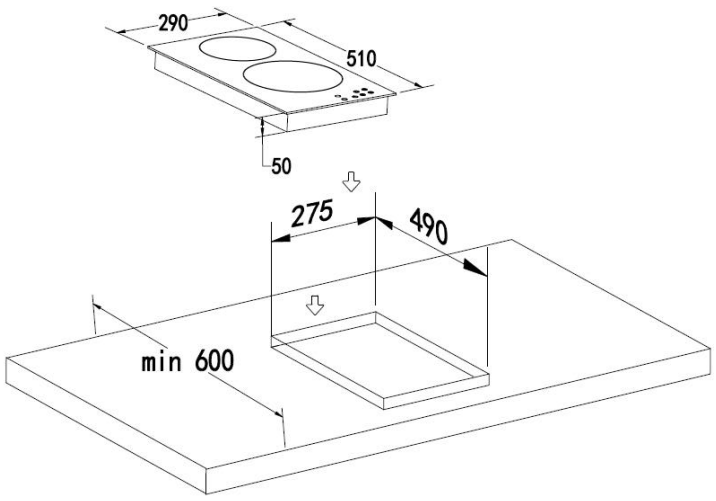
Electrical connection

Before connecting the appliance, make sure that the supply voltage marked on the Rating Plate corresponds with your mains supply voltage.

WARNING: THIS APPLIANCE MUST BE EARTHED.

- If you have to change the oven power cord, the earthing (yellow/green) conductor must always be 10 mm longer than the line conductors.
- Care must be taken to ensure that the temperature of the mains supply cable does not exceed 50°C.
- If the mains supply cable is damaged, then it must be replaced by an appropriate replacement which can be obtained from Spares Department.

Assembly of ceramic hob :



Preparing the unit for a built-in appliance

⚠ WARNING

- The kitchen units that are in direct contact with the appliances must be heat-proof(min. 95°).
- The appliance can be installed on a work surface with a thickness of between 30 and 40 mm and near to walls which are higher than the work surface,maintaining a minimum distance of 100 mm.
- Carry out all cutting of the unit and work surface then carefully remove shavings or sawdust before inserting the appliances.
- To ensure a correct ventilation of the hob please comply with the dimensions shows in figures .
- Always refer to the manufacturer for specific instructions,
- Make sure the surface is level and square and that no part interferes with the space required for installation.
- Prepare the cut as indicated(see installation dimensions).

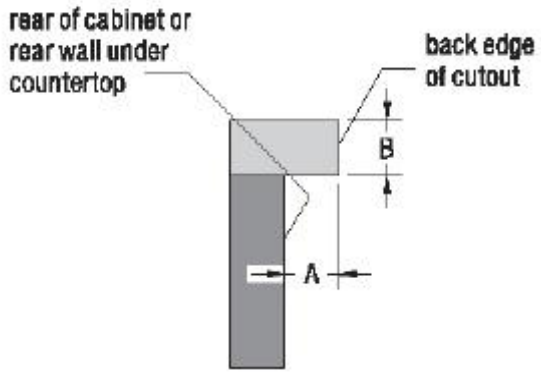


Fig.5

A. 40mm min
B. 40mm max

Installing the hob

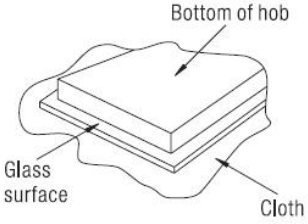


WARNING

Risk of cutting.
Be careful of cutting edges.
End parts in foamed plastic - be careful.
During transportation these could cause slight injury or cuts.

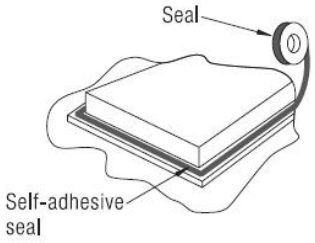
Remove the material and envelope of documents from the packaging.
Before proceeding with installation read the work instructions carefully.

Step.1
Put a towel or cloth on the work surface.Place the hob face down on the protected surface.



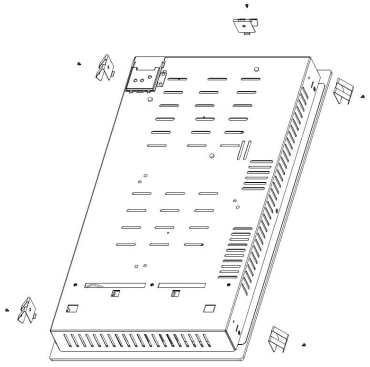
Step.2

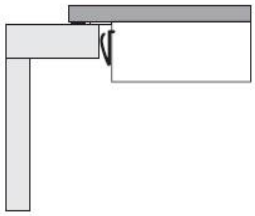
Apply the strip seal,supplied with the hob,which is for sealing it onto the work surface.
Do not use silicone. Apply the seal to the edge of the bottom of the hob,leaving about 3mm from the edge of the glass.
Apply the seal all around the circumference.
Cut any excess and bring the two ends of the seal together so they match.

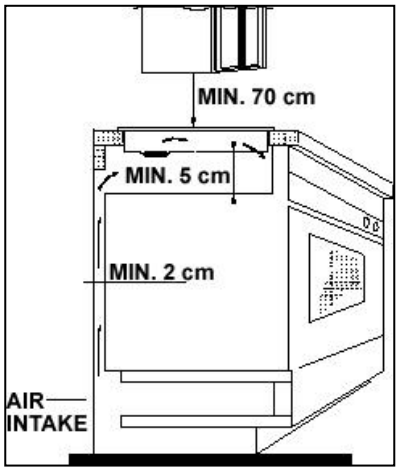


Step.3

Fix the brackets(5 pcs) on the front side and rear side by screw.Put the hob in the cut-out cabinet,and make it centered.Ensure that the front edge of the hob is parallel to the side edge of the work surface.







- **IMPORTANT:** You must observe the ventilation requirements shown in the drawing opposite.
- **IMPORTANT:** There are ventilation holes around the outside of the hob. YOU MUST ensure that these holes are not blocked by the work top, when you put the hob into position (see drawing opposite).
- **IMPORTANT:** Do not use a silicon sealant to seal the appliance against the aperture. This will make it difficult to remove the hob from the aperture in future, particularly if it needs to be serviced.

- Carefully turn the hob back over and then gently lower it into the aperture hole that you have cut out.

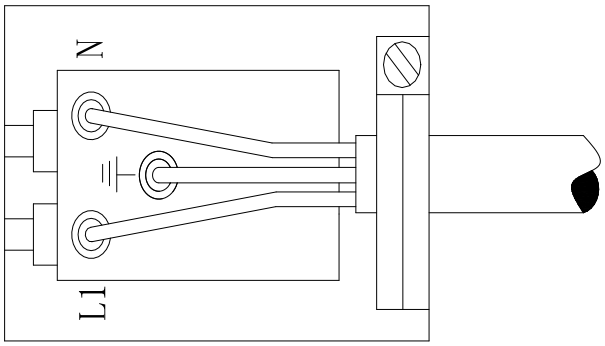
- Add a wooden board to the bottom of the stove.

Replacing the mains supply cable

If the mains supply cable is damaged, then it must be replaced by an appropriate replacement.

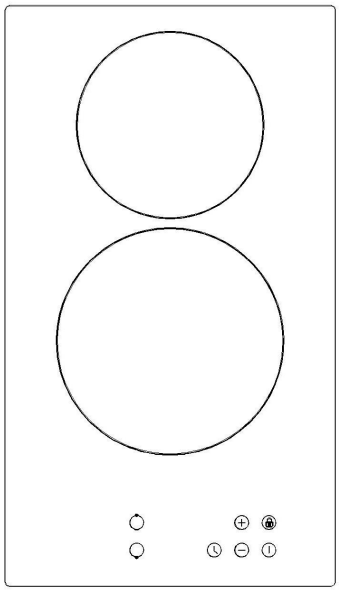
The mains supply cable should be replaced in accordance with the following instructions:

- ***Switch the appliance off at the control switch.***
- Open the terminal block on the underside of the hob.
- Unscrew the terminal screws fixing the cable.
- The "green-yellow" earth wire must be connected to the terminal marked ⏚. It must be about 10 mm longer than the live and neutral wires.
- The "blue" neutral wire must be connected to the terminal marked with letter (N) - the live wire must be connected to the terminal marked with letter (L).



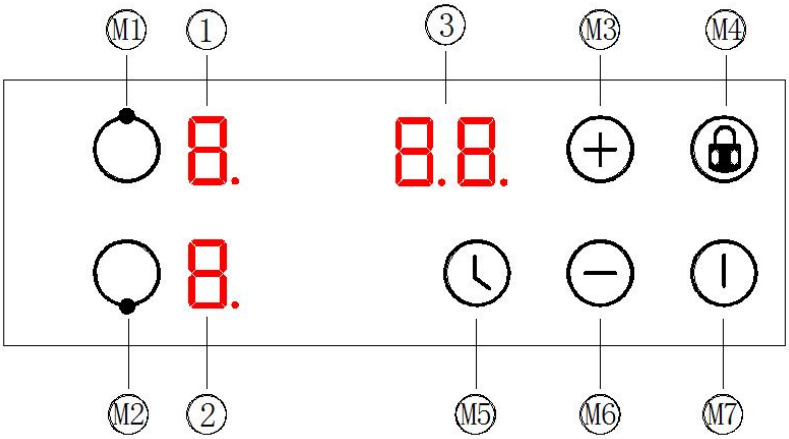
Description of the Ceramic hob surface layout

2 zone ceramic hob schematic diagram



Control panel layout(D series)

1. Button and Display mode



1.1 Button icon instruction

Icons	Function	Icons	Function
M1	NO.1 cooking zone select button	M5	Timer selector: timing for each cooking zone
M2	NO.2 cooking zone select button	M6	Minus button: for reducing time and power level
M3	Plus button: for adding time and power level	M7	Power button: press and hold to turn on or off the hob
M4	Child safety lock button: press and hold to lock or unlock the control panel		

1.2 Display section

Icons	Function
1	NO.1 cooking zone indicating digital tube:display the power level , high temperature warning symbol etc.
2	NO.2 cooking zone indicating digital tube:display the power level , high temperature warning symbol etc.
3	Timer digital tube :display the time , child safety lock symbol etc.

2.Display mode

1) Unit digit digital tube：**Display** corresponding parameters of the heating control, multi-ring sign and High temperature warning sign (“H”) of the cooking zone.
2) **Two digits digital tube**： Display the corresponding parameters of the time and child safety lock sign.

Using the ceramic hob

Before first use



IMPORTANT: You should clean the ceramic hob surface (see “Maintenance and cleaning” section).

- ✓ You should switch on one cooking zone at a time, for 5 minutes at the maximum setting. This will help to eliminate any new smell that exists and evaporate any humidity that has formed on the heating elements during transit.
- ✓ Do not burn off more than one zone at once.
- ✓ You must place a saucepan filled half full with cold water on each zone as you burn it off.

Operation instruction

1. Power on

- ✓ After switch on the appliance,the hob will beep for once to remind power on,all of the indicator digital tubes on the display screen will lit on for 2s, the appliance goes into shutdown mode, and the digital tube decimal point “●” will not lit on.
- ✓ Shutdown status: All the display will close except the high temperature warning symbol “H”; At this time, only the power button “⏻” can operated by pressing and holding, and other button operations are invalid.

2. Standby mode

- ✓ Under shutdown status, press and hold “⏻” button for 3s, the hob will beep for once and then enter standby mode.
- ✓ Under the standby status, all the indicator digital tubes of the cooking zone will display “–”(The symbol “H” will show in the cooking zone indicator if there is residual heat), timer place will show “– –” as well, it will not heat at this time.
- ✓ Under standby mode, if no any cooking zone heating operation, the appliance will go into shutdown status automatically after 10s and beep once.

3. Heating control

- ✓ Under standby mode, you can choose the cooking zone by pressing the cooking zone select button, then press plus or minus button to adjust the power level of the corresponding cooking zone. Press and hold plus “⊕” or minus “⊖” buttons can continuously to increase or decrease the power level.
- ✓ When the cooking zone is in heating status, press and hold “⏻” power button for 3s to switch off, and stop all the cooking zones from heating. The corresponding cooking zone which has heated before will display high temperature warning symbol “H”.
- ✓ Under standby mode, if some cooking zones still exist residual heat, they will show “H”.
- ✓ If needing to switch off one of the cooking zones, you can select that zone first, then press the minus button “⊖” until “0” power level to switch off that zone, which will not affect the heating of the other cooking zones. When power level reaches “0”, the corresponding cooking zone indicator of the cooking zone which has heated before will display high temperature warning symbol “H”.

- ✓ If more than one zone is operating at the same time, total power will equal to the sum of the powers of all the working cooking zones, each cooking zone will work according to their power modulation ratio, and will not affect each other.

Note:

1. During the same period,only one cooking zone button is valid,that is only one decimal point "●" can be displayed.

2. Press minus button "⊖"to set the power level to "0",then the heating cooking zone will close automatically.

4. Power level adjustment

- ✓ Under the standby mode,press cooking zone select button to choose the corresponding cooking zone, corresponding cooking zone digital tube decimal point "●" and heating level will display.You can press the plus "⊕"and minus "⊖" buttons to adjust suitable power level.
- ✓ Each time you press the '⊕' button, the firepower increases by one level and is displayed on its corresponding firepower indicator digital tube. The maximum firepower that can be added is the 9th level. When the firepower reaches the 9th level, press the '⊕' button again,it will return to the 0 level; Every time you press the decrease button⊖, the firepower decreases by one level, and the minimum firepower that can be reduced is level 0 . When the firepower decreases to level 0, pressing the decrease button ⊖again will change the gear back to level 9 (every time you press the button ⊕ or button ⊖ , the buzzer will sound once). Continuously holding down the plus button⊕ or minus button⊖ will produce the effect of continuously increasing or decreasing the firepower level.
- ✓ Upon completion of power level adjustment, the decimal point "●"of digital tube will stop flashing and normally display the power level within 10 seconds of no operation.
- ✓ When switching any of the cooking zone power level to 0, it will stop the power output of that cooking zone.
- ✓ If a cooking zone has been heated,power level of all the cooking zone are "0", the appliance will automatically enter into shutdown status after 1 minute no operation.

5. Timer adjustment

- ✓ After selecting the corresponding power of the cooking zone, press the time button"◷", the timer digital tube will display "00" and the decimal point on the right will display "●".At this time, the timing mode is entered, and the timing time of the selected cooking zone can be set; (The following operations are required in timing mode)
- ✓ If you want to cancel the timing, you can adjust the timing time to zero.
- ✓ The first time you press the plus button"⊕", the timing starts from 1 minute, after which you can press the plus or minus button to adjust the timing time.
- ✓ Press the plus button"⊕" for each time, the buzzer will beep once, and the heating time will be increased by 1 minute. The timing will be continuously changed between 1-99minutes,with a maximum adjustable time of 99 minutes;
- ✓ Press the minus button "⊖" for each time, the buzzer will beep once, and the timing will be reduced by 1 minute. When the timing time is less than or equal to 30 minutes, the continuous adjustment timing will continuously change between 30-0 minutes; If the timing has been adjusted by the plus button "⊕" for more than 30 minutes, press the minus button"⊖" to adjust the timing to 0, press the minus button "⊖" again to adjust the time to 30.

- ✓ After the timer countdown is 0, the buzzer will continue to sound for 2 minutes, and you can press any button to turn off the beep.
- ✓ After setting the timing time, no operation waiting for 10 seconds to automatically complete the setting (the decimal point "●"of the corresponding cooking zone no longer flashing)

Note :

1. If the timing of a certain cooking zone has been set, to change the time, press the time button again to select the corresponding cooking zone, and then enter the new time by plus and minus buttons.
2. After the cooking zone is selected, the timing setting cannot be made before the cooking zone power is set, and the time button is invalid.
3. When the timing of a certain cooking zone is set for the first time, if the cooking zone selection button corresponding to the cooking zone is pressed when the timing is not confirmed, the timing of the cooking zone is canceled.
4. When single or multiple cooking zones are working, the decimal point "●"of the corresponding cooking zone is always displayed during the timing setting process. When multiple cooking zones are working, if two or more cooking zones have been set the time, the timing digital tube displays the minimum timing of cook zone.The decimal point of corresponding cooking zone is always on. The digital tube decimal point "●" is extinguished until the countdown time is over.

6.Power off

Under standby mode or heating mode, long press "⏻" button for 3s, a short audible signal will be heard, the appliance will go into power off mode. If the corresponding cooking zone surface has residual heat at this time, the digital tube of power level indicator will flash display "H", and indicate residual heat warning.

7.Child Safety lock button

- ✓ The control panel can be locked by pressing and holding the child safety lock button"🔒" for 3 seconds whilst the appliance is under standby status or heating status.The safety lock icon will display.When the appliance switch off the safety lock icon will extinguish.
- ✓ Under the child safety lock mode, the "L o" will display and flash(1s/time).If the cooking zone has set the time,the digital tube will display the time and "L o" alternately.If not,it will display "L o" and "– –"
- ✓ Under the child safety lock mode, you can unlock it by pressing and holding the child lock button "🔒" for about 3 seconds.
- ✓ In the child safety lock mode, except for pressing and holding the power button "⏻ " to turn off, as well as press and hold the child lock button to unlock, the other buttons are invalid.

Note:

In order to prevent misoperation, the control panel is locked by long pressing the child lock button. If the child lock is not unlocked before closing the controller, the child lock function continues to be valid when the controller is opened again. Unless the child lock is unlock, you cannot operate any button except the power button and the child lock button.

8. Partition timing

The timer can be timed separately for any cooking zone, and the timing of each cooking zone is independent of each other.

- ● Single cooking zone timing

When setting a countdown time for a cooking zone, press timer button“⏲” first,the digital tube decimal point “●”of the selected cooking zone will be on.The decimal point of timer digital tube “●”will display,and to indicate the set timer has been related with the selected cooking zone.At this time,you can use the plus button and minus button to set the countdown time.

- Several cooking zones timing

Each timer setting operation will be same as “Single cooking zone timing”.

Press any cooking zone selection button, and the timer digital tube display the timing value of that cooking zone.

When multiple cooking zones are timed, you can switch the timing of different cooking zones by pressing the time button “⏲”.

When not selecting any cooking zone,the digital tube will show the minimum timer value of cooking zones, and the digital tube of corresponding cooking zone will show “●”.

9. Default timing

✓ All the cooking zones have default timing function.The relationship of default timing and power level refers to table below:

Power Level	1	2	3	4	5	6	7	8	9
Default timing(h)	6	6	5	5	4	1.5			

✓ When all the default timing is reached, the cooking zones will switch off automatically and enter into standby mode.

10、High temperature warning

✓ Press and hold power button “⏻” manually for 3s till switch off, the whole appliance will stop heating, but the cooking surface still has high temperature, the indicator digital tube of corresponding cooking zone which stop heating will show residual heat warning symbol “H”, to indicate corresponding cooking surface high temperature.

✓ As long as the cooking zone has heated before, the high temperature warning symbol “H” will display for 35 minutes continually after the hob turn off.

11、Protection function

✓ **High temperature protection:** the thermocouple sensor device on the heating plate will send plate’s real-time temperature to the control board chip.When the thermocouple sensor device detects the current temperature of heating plate is higher than a certain value, the control device will start the protection to stop the corresponding heating plate from working.Only when the temperature drops will the previous firepower level be restored.

✓ **Residual heat protection:** When the whole appliance stops heating, the digital tube of the relative heating zone will display high temperature warning symbol “H”, indicating that cooking surface temperature is too high, please do not touch to avoid getting burned.

✓ **Safety cut-off protection:**For the models with plug,when cut off after 1S at any time,the voltage between L/N of the plug should fall to below safe voltage range.

✓ **Overflow protection:** When the system is in operation, if water overflows over one or more buttons on the control panel for more than 10 seconds, the cooking zone in working state will stop working and the entire hob will enter a shutdown state.

12. PCB board fault codes and solutions

When a PCB board failure occurs, the timer digital tubes on the display panel always display the fault code, and all the cooking zones that are being heated stop heating, and automatically return to the shutdown state after 1 minute. For the cooking zones that have been worked, the corresponding digital tube continues to display the high temperature warning sign "H". When the fault code appears, please refer to the scheme in the following table to solve.

Fault code	Type of fault	Solution
E1	Cooking zone thermocouple open/short circuit	Check if the heating plate thermocouple is securely plugged in or damaged, and prioritize replacing the thermocouple; If the error still exists after replacing the thermocouple, replace the control board
E2	Heating plate temperature exceeds limit values	

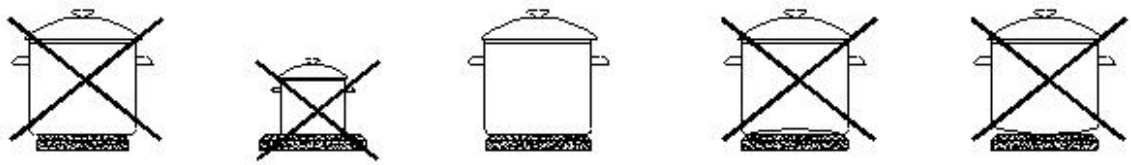
Power consumption standby mode	**N/A**
Power consumption off mode	**0.5W**
Time after which the equipment reaches automatically standby mode	**N/A**
Time after which the equipment reaches automatically off mode	**20min**

How to use the hot plate

Put the pot in center of the heating zone, Turn the knob clockwise and anticlockwise to turn on the hob.

High temperature indication lamp:
When the glass plate is too hot, the high temperature indication lamp will light up, don't touch the glass plate until the indication lamp goes out.

Shut down:after using,please turn the knob to "OFF",the hob will stop heating.



Caution!

- Ensure the heating plate is clean-a soiled zone does not transfer all of the heat.
- Protect the plate against corrosion.
- Switch off the plate against corrosion.
- Do not leave pans with prepared dishes based on fats and oils unattended on the switched-on plate; hot fat can spontaneously catch fire.

Hob guidelines

- ✧ The first few times the hob top is used, it may give off an acrid, burning smell. This smell will disappear completely with repeated use.
- ✧ The worktop is fitted with cooking areas of different diameter and power.
- ✧ The positions where the heat will radiate from are clearly marked on the hob top. The saucepans must be positioned exactly on these zones for efficient heating to occur. Pans should have the same diameter as the cooking zone that they are being used on.
- ✧ You should not use saucepans with rough bottoms, as this can scratch the ceramic surface.
- ✧ Before use, make sure that the bottoms of the saucepans are clean and dry.
- ✧ When cold, the bottom of the pans should be slightly concave, as they expand when hot and lie flat on the surface of the hob. This will allow the heat to transfer more easily.
- ✧ The best thickness for the bottom of the pans is 2 – 3 mm of enamelled steel and 4 – 6 mm for stainless steel with sandwich type bottoms.
- ✧ If these rules are not followed, then there will be a great loss of heat and energy. Heat not absorbed by the saucepan, will spread to the hob, frame and surrounding cabinets.
- ✧ Preferably cover pans with a lid to permit cooking at a lower heat.
- ✧ Always cook vegetables and potatoes, etc. in as little water to reduce cooking times.
- ✧ Food or liquid that has high sugar content may damage the hob top if it comes into contact with the ceramic hob surface. Any spillages should be wiped up immediately, however this may not prevent the hob surface from becoming damaged.
- IMPORTANT: The ceramic hob surface is tough; however it is not unbreakable and can be damaged. Especially if pointed or hard objects are allowed to fall on it with some force.

Maintenance and cleaning



Cleaning operations must only be carried out when the hob is cool.

The appliance should be disconnected from your mains supply before commencing any cleaning process.

Cleaning the ceramic hob top



Any residues that are left on the hob top surface from cleaning agents will damage it. You should remove any residues with warm water mixed with a little washing up liquid.



Abrasive cleaners or sharp objects will damage the hob surface; you should clean it using warm water mixed with a little washing up liquid.



You may find it easier to clean some deposits whilst the hob surface is still warm. However you should take care not to burn yourself if cleaning the hob surface when it is still warm.

After each use

- Wipe the appliance over with a damp cloth.
- Dry the appliance by rubbing the surface with a clean cloth.

Cleaning table

Type of deposit	Remove immediately?	Remove when the appliance has cooled down?	What should I use to remove the deposit?
Sugar or food/liquid containing sugar	Yes	No	Ceramic hob scraper
Tin foil or plastic	Yes	No	Ceramic hob scraper
Fat splashes	No	Yes	Ceramic hob cleaner
Metallic discolouration	No	Yes	Ceramic hob cleaner
Water splashes or water rings	No	Yes	Ceramic hob cleaner

Important!

The inside of the hob should only be washed with warm water and a small amount of washing-up liquid.

Caution!

Ensure the heating plate is clean-a soiled zone does not transfer all of the heat.
Protect the hob against corrosion.
Switch off the hob against corrosion.
Do not leave pans with prepared dishes based on fats and oils unattended on the switched-on plate; hot fat can spontaneously catch fire.



IMPORTANT: If your appliance appears not to be operating correctly, Please contact with dealer.

DO NOT ATTEMPT TO REPAIR THE APPLIANCE YOURSELF.

Please note that if an engineer is asked to attend whilst the product is under guarantee and finds that the problem is not the result of an appliance fault, then you may be liable for the cost of the call out charge.

The appliance must be accessible for the engineer to perform any necessary repair. If your appliance is installed in such a way that an engineer is concerned that damage will be caused to the appliance or your kitchen, then he will not complete a repair.

Environmental note

Note: Before discarding an old appliance, switch off and disconnect it from the power supply. Cut off and render any plug useless. Cut the cable off directly behind the appliance to prevent misuse. This should be undertaken by a competent person.

This appliance is marked according to the European directive 2002/96/EC on Waste electrical and Electronic Equipment (WEEE). By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The symbol  on the product or on the documents accompanying the product indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

Disposal must be carried out in accordance with local environmental regulations for waste disposal. For more detailed information about treatment, recovery and recycling of this product, please contact your local city office or local waste management office.

The packaging materials that we use are environmentally friendly and can be recycled. Please discard all packaging material with due regard for the environment.



Specification

Built-in hob

Rated voltage:220-240V ~

rated frequency :50-60Hz

rated power :3000W

Please register the warranty for this product on www.Cookology.com

COOKOLOGY T/A THE WRIGHT BUY LTD

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