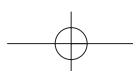




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CHAPTER 1 – GENERAL

1.1 IMPORTANT SAFETY WARNINGS

Read carefully these instructions and keep for future reference

- 1) **WARNING:** If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person (trained by the manufacturer or by its Customer Service).
- 2) **WARNING:** It is hazardous for anyone other than a competent person to carry out any service or repair operation which involves the removal of a cover which gives protection against exposure to microwave energy.
- 3) **WARNING:** Liquids and other foods must not be heated in sealed containers since they are liable to explode. Eggs in their shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode even after microwave heating has ended.
- 4) **WARNING:** Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use. Do not allow children near the oven when it is in operation, as this may result in severe burns.
- 5) Do not attempt to operate the oven with the door open by tampering with the safety devices.
- 6) Do not operate the oven if objects for any kind get stuck between the front panel of the oven and the door. Always keep the inside of the door (E) clean, using a damp cloth and non-abrasive detergents. Do not allow dirt or remains of food to accumulate between the front panel of the oven on the door (fig. 1).
- 7) The following warnings must be considered when the door is open: Do not place heavy object on the door or pull the handle downwards any further as the appliance may tip over. Never place hot containers or pans (e.g. just taken off the stove) on the door.
- 8) Do not operate the oven if the supply cable or the plug is damaged, as this may result in electric shocks.
- 9) If smoke is observed, switch off or unplug the appliance and **KEEP THE DOOR CLOSED** in order to stifle any flames.
- 10) Only use utensils that are suitable for use in microwave ovens. In order to avoid overheating and the consequent risk of fire, it is advisable to supervise the oven when cooking food in disposable containers made of plastic, cardboard or other inflammable materials, and when heating small quantities of food.
- 11) Never place the turntable in water after it has been heated for a long time. The high thermal shock resulting would break the turntable.
- 12) When cooking "Only MICROWAVE" and "COMBINED WITH MICROWAVE", you absolutely must not pre-heat the oven (without foodstuffs in it) and you must not operate it when it is empty, because you might cause sparking.
- 13) Before using this oven, check to be certain that the utensil and containers chosen are suitable for microwave oven use (see the section on "Glassware and Similar Items").
- 14) During the use the appliance becomes hot. Do not touch the heating elements inside the oven.
- 15) When heating liquids (water, coffee, milk, etc.) it is possible that the contents



fig. 1



fig. 2



fig. 3

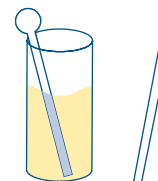


fig. 4



fig. 5

chapter 1 - general

may suddenly start to boil and spill violently as a result of delayed boiling, causing scalding. To avoid this happening, you should place a heat-resistant plastic spoon or a glass rod in the container (fig. 4) before starting to heat liquids. Anyway, care shall be taken when handling the container.

16) Do not heat spirit with a high alcohol content, nor large quantities of oil, as these could catch fire !

17) The contents of feeding bottles and baby food jars shall be stirred or shaken and the temperature shall be checked before consumption in order to avoid burns. It is also advisable to stir or shake the food in order to ensure that it has an even temperature.

When using commercially available bottle sterilisers, before turning the oven on, ALWAYS make sure the container is filled with the quantity of water indicated by the manufacturer.

When the oven is used for the first time it is possible that, for a period of approx. 10 minutes, it may produce a "new" smell and a small amount of smoke. This is only a result of protective substances applied to the heating element.

ENGLISH

1.2 TECHNICAL DATA

• ENERGY CONSUMPTION (CENELEC HD 376 norms)

To reach 200°C	0,3 kWh
To maintain a temperature of 200°C for an hour	1,1 kWh
Total consumption	1,4 kWh

• MICROWAVE OUTPUT POWER: 900W (IEC 705)

For further data, consult the data plate placed on the appliance.

This appliance conforms to E.E.C. directive no. 89/336 and 92/31 regarding Electromagnetic Compatibility, and to directive 89/109/E.E.C. regarding materials which come into contact with food.

O U T P U T P O W E R

The microwave output power is written on the rating plate placed on the rear side of the appliance (see "MICRO OUTPUT"). When you consult the tables, always look up your oven's output power. It will be useful also when you are consulting cookbooks intended for use with microwave ovens.



ONLY FOR SOME MODELS: The microwave output power is also indicated inside this symbol, placed on the control panel.

(ONLY FOR U.K.) The **letter** indicates the **heating category** to which your oven belongs: some pre-cooked food packages (frozen or chilled) give heating instructions corresponding to the various categories. Follow those instructions related to the category indicated for your oven.

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1.3 INSTALLATION AND ELECTRICAL CONNECTION

- 1) Unpack the oven.
 - 2) Open the door and remove the internal protection containing the accessories as follows:
 - Remove the two pieces of polystyrene at the sides of the cavity (fig. 6).
 - Press the vertical panels outwards as indicated by the arrows (fig. 7).
 - Pull out the packaging; make sure the vertical panels come out correctly (fig. 8).
 - Remove the turntable (H) and its protection. Make sure the turntable spindle (D) is inserted correctly in the centre of the turntable.
 - 3) Clean the inside with a soft, damp cloth.
 - 4) Check that there is no damage as a result of transportation, and in particular that the door opens and closes properly.
 - 5) Place the appliance on a flat, stable surface at a height of at least 85 cm, out of the reach of children, since the door can become very hot during cooking.
 - 6) **When positioning the appliance on the worktop, make sure that there is a gap of approx. 5 cm between the surfaces of the appliance and the rear and side walls, and a gap of at least 25 cm above the oven (fig. 9).**
 - 7) Do not block the air intake vents. In particular, do not place any objects on top of the oven and check that the air and steam outlets (placed on the top, on the bottom and on the back of the appliance) are ALWAYS FREE OF OBSTRUCTIONS (fig. 10).
 - 8) Place the support (I) in the centre of the circular groove and attach the turntable (H) to it. The spindle (D) should be inserted in the corresponding groove in the centre of the turntable.
- N.B. The appliance must not be placed on or near sources of heat (for example on the refrigerator) (fig. 11).**
- 9) Only connect the appliance to a power socket with a power capacity of at least 16A. Also make sure that the main switch installed in your home has a minimum power capacity of 16A in order to avoid it suddenly tripping while the oven is on.
 - 10) After the installation has been performed, the power supply cable and the power socket must be easy to access.
 - 11) Before use, check that the power supply voltage is the same as the one shown on the rating label and that the power outlet is **properly earthed: the manufacturer declines any liability if this safety norm is not observed.**

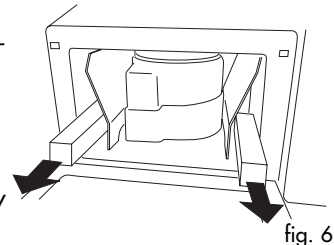


fig. 6

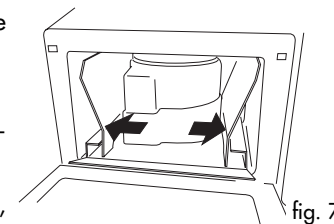


fig. 7

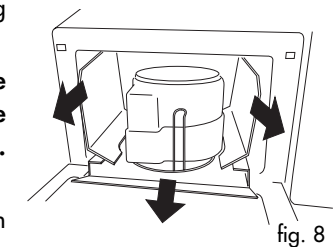


fig. 8

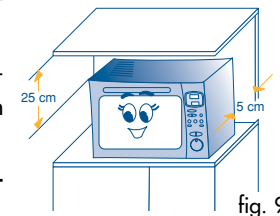


fig. 9

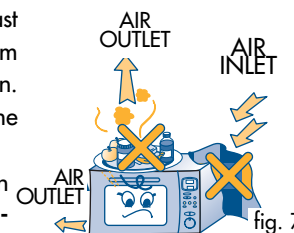


fig. 10

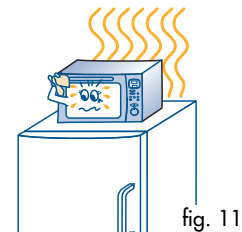
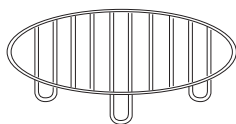


fig. 11

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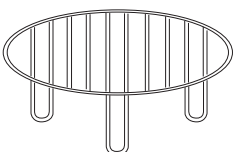
1.4 ACCESSORIES SUPPLIED

**LOW WIRE RACK****Fan Oven Only mode:**

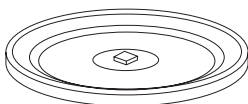
for all types of traditional cooking, especially cakes

Combined microwave + fan oven mode and microwave + grill:

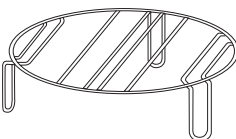
For rapid cooking of meat, potatoes, some leavened cakes and desserts and gratinéed dishes (for example, lasagne)

**HIGH WIRE RACK****Grill Only mode:**

for all types of grilled food.

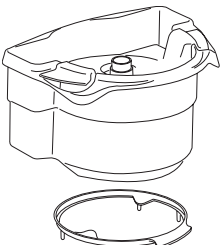
**TURNTABLE**

The turntable is used for all the modes.

**MEDIUM SPACER WIRE RACK****Microwave-only function**

For all types of cooking on two levels AT THE SAME TIME (e.g., large amounts of food or different foods).

See the instructions on page 55

**PASTA COOKER (T) and SUPPORT (M)**

With pasta mode only. To use with the support (M)

ELECTRICAL CONNECTION (U.K. ONLY)

- A) If your appliance comes fitted with a plug, it will incorporate a 13 Amp fuse. If it does not fit your socket, the plug should be cut off from the mains lead, and an appropriate plug fitted, as below.
WARNING: Very carefully dispose of the cut off plug after removing the fuse: do not insert in a 13 Amp socket elsewhere in the house as this could cause a shock hazard.
 With alternative plugs not incorporating a fuse, the circuit must be protected by a 15 Amp fuse.

WARNING - THIS APPLIANCE MUST BE EARTHED**IMPORTANT**

The wires in the mains lead are coloured in accordance with the following code:


Green and yellow:	Earth
Blue:	Neutral
Brown:	Live



If the plug is a moulded-on type, the fuse cover must be re-fitted when changing the fuse using a 13 Amp Asta approved fuse to BS 1362. In the event of losing the fuse cover, the plug must NOT be used until a replacement fuse cover can be obtained from your nearest electrical dealer. The colour of the correct replacement fuse cover is that as marked on the base of the plug.

- B) If your appliance is not fitted with a plug, please follow the instructions provided below:

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The green and yellow wire must be connected to the terminal in the plug marked with the letter E or the earth symbol  or coloured green or green and yellow.

The blue wire must be connected to the terminal marked with the letter N or coloured black.

The brown wire must be connected to the terminal marked with the letter L or coloured red.

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1.5 OVENWARE TO BE USED

In the "Microwave Only" and "Microwave Combined" modes, all types of containers in glass (preferably Pyrex), ceramics, china and clay may be used provided that they are undecorated and free of metal parts (i.e. gilt trimmings, handles, feet etc.). Heat resistant plastic containers can also be used, but only for "Microwave Only" cooking. If you are still doubtful about using a particular container, you can perform a simple test. Place the empty container in the oven for 30 seconds at maximum power ("Microwave Only" function).

If the container is still cold or only slightly warm, it is suitable for microwave cooking.

If it is very hot or gives out sparks, it is not suitable.

Containers in heat-resistant plastic may also be used. Paper napkins, cardboard trays and disposable plastic plates can also be used for short cooking times. The size and shape of the containers must be such as to allow them to rotate properly inside the oven.

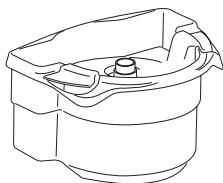
Metal, wood, cane and crystal containers are not suitable for microwave cooking.

It is worth remembering that - since microwaves heat the food, not the dish - it is possible to cook the food directly on the plate on which it is to be served. This means that you do not need to use, and wash up, saucepans. However, remember that heat may be transferred from the food itself to the plate, making it necessary to use an oven glove.

If the oven has the "Fan Oven Only" or "Grill only" settings, all types of ovenware may be used.

In any case, observe the guidelines shown in the following table:

	Glass	Pyrex	Glass-ceramics	Terracotta	Silver foil	Plastic	Paper or cardboard	Metal containers
Mode: "Microwave Only"	YES	YES	YES	YES	NO	YES	YES	NO
Mode: "Combined"	NO	YES	YES	YES	NO	NO	NO	NO
Mode: "Fan Only" "Grill Only"	NO	YES	YES	YES	YES	NO	NO	YES



Important: Do not use this accessory with the "Grill Only", "Fan Only", "Combi Grill" or "Combi Fan" mode as the high temperatures could cause damage.

chapter 1 - general

1.6 RULES AND GENERAL SUGGESTIONS FOR USING THE OVEN

Microwaves consist of electromagnetic radiation found in nature under the form of light waves (e.g., sunlight). Inside the oven, these waves penetrate food from all directions and heat up the water, fatty and sugar molecules.

Heat is produced very quickly only in the food itself, whereas the container being used warms up indirectly by means of heat given off by the heated food. This prevents food from sticking to its container, so you can use very little fatty substance or, in some cases, no fat at all during the cooking process.

Therefore cooking in a microwave oven is considered to be healthy and good for one's diet. And in contrast to traditional methods, cooking in a microwave foodstuffs are less dehydrated, lose less of their nutritional value, and retain more of their original flavour.

Basic rules for correct cooking with a microwave oven

- 1) In order to set cooking times correctly, remember (in referring to the charts on the following pages) that when you increase the amount of foodstuffs the cooking temperature must likewise be proportionately increased and vice-versa. It is important to respect the "standing" times: **standing time** means that period during which the food must be left to "rest" after being cooked so as to allow an even greater spreading of the temperature within. The temperature of meat, for example, will rise about 5°-8° C. (approx. 9°-15° F.) during the standing time. Standing times may be observed either inside or outside the oven.
- 2) One of the main things you must do is **stir** the food several times while it is being cooked. This helps make the temperature distribution more uniform and thus shortens the cooking time.
- 3) It is also advisable to **turn** the foodstuff **over** during its cooking process: this applies especially for meat, whether it is in large pieces (roasts, whole chickens, etc.) or small (chicken breasts, etc.).
- 4) **Foods having a skin, shell or peel (e.g., apples, potatoes, tomatoes, frankfurters, fish) must be pierced with a fork in several points so as to permit steam to escape and to prevent those items from exploding (see Fig. 9).**
- 5) If you are preparing a large number of portions of the same food item (e.g., boiled potatoes), **place** those portions in a Pyrex dish in order to have them cook in a uniform manner (see Fig. 10).
- 6) The lower the temperature at which a foodstuff is placed in a microwave oven, the longer the cooking time required. Food having a room temperature will cook more quickly than food having a refrigerator temperature.
- 7) Always do your cooking by placing the food container in the centre of the turntable.
- 8) It is perfectly normal for **condensation to form** inside the oven and near the air outlet. **To reduce such condensation, cover the foodstuffs with clear-sheet, wax paper, a glass lid or simply an overturned plate.** Then, too, foods having a water content (e.g., greens and vegetables) cook better when covered. The covering of food also helps keep the oven clean on the inside. Use clear-sheet made expressly for microwave ovens.
- 9) **Do not cook eggs in their shells (fig. 11):** the pressure which builds up on the inside would cause the egg to explode, even after cooking has finished. Do not heat up eggs which have already been cooked, unless they are scrambled.
- 10) Do not forget to open containers which are air-tight or sealed before heating or cooking food in the oven. The pressure on the inside of the container would rise, causing them to explode even after cooking has finished.

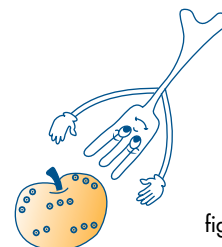


fig. 9

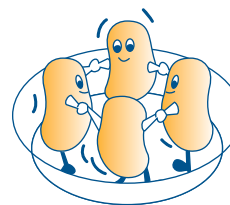


fig. 10



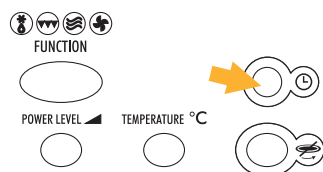
fig. 11

CHAPTER 2 – USING THE CONTROLS AND SETTING THE MODES

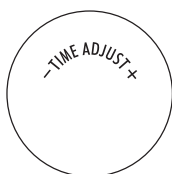
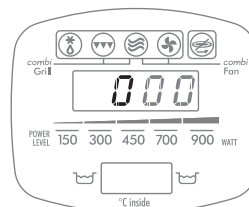
2.1 SETTING THE CLOCK

- When the appliance is connected to the domestic power supply for the first time, or after a power cut, four dashes will appear on the display (----).

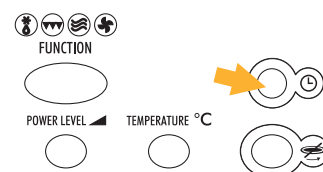
In order to set the time of day, proceed as described below:



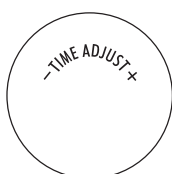
- Press the key (6).
(The hours flash on display 1)



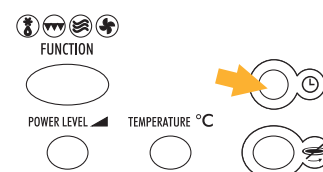
- Set the desired time by turning the **TIME ADJUST** knob (14).
(The hours flash on display 1)



- Press the key (6) again.
(The minutes flash on display 1)



- Set the desired minutes by turning the **TIME ADJUST** knob (14).
(The minutes flash on display 1)



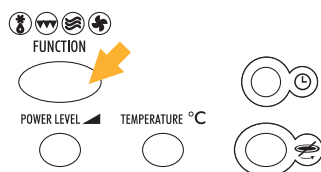
- Press the key (6) again.
(The display shows the time set)



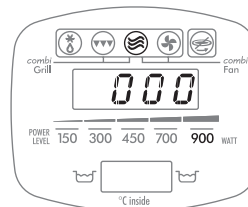
- If you wish to change the hour on the dial once it has been set, press the " " key (6) before proceeding to set the new time as described above.
- It is possible to display the current time even after starting the mode set, by pressing the " " key (6) (the time is displayed for 2 seconds).

chapter 2 – using the controls and setting the modes

2.2 PROGRAMMING THE COOKING

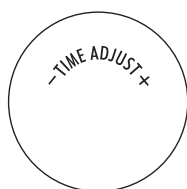


1 Press the **FUNCTION** key (3) (mode selection) and select the desired mode, which will be shown by the corresponding symbols coming on, above the display 1. The available modes are:



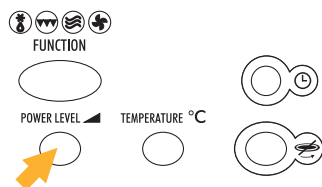
INDICATOR	MODE SELECTED
	Microwave Only
	Automatic Defrosting
	Combined Microwave + Fan Oven

INDICATOR	MODE SELECTED
	Combined Microwave and Grill
	Fan Oven Only
	Grill Only
	Timer



2 Set the length of cooking time, in minutes, by turning the **TIME ADJUST** knob (14).

In order to choose the length of cooking time, always consult the tables shown in Chapter 3.



3 In the modes:
Microwave Only
Combined Microwave + Fan Oven
Combined Microwave + Grill

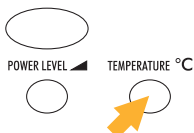


select the microwave power level by repeatedly pressing the **POWER LEVEL** key (5) until the indicator of the desired level power (expressed in numbers) flashes, above the display 2 (on the bottom). In order to select the power, always consult the tables shown in Chapter 3.

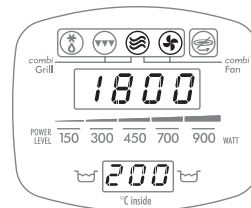
Note

- it is not necessary to select any level of power for the **Automatic Defrosting mode**.
- in the **Combined Microwave + Fan Oven** mode the maximum microwave power which can be selected is 700 Watts.
- it is possible to modify the power set even during cooking, simply by pressing the **POWER LEVEL** key (5).

chapter 2 – using the controls and setting the modes

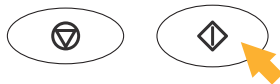



- 4** In the modes:
Combined microwave + fan oven
Fan oven only



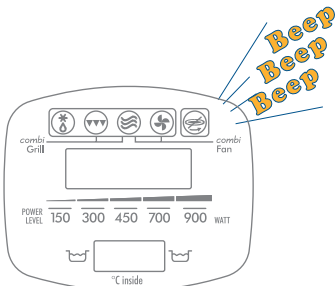
select the cooking temperature by repeatedly pressing the **TEMPERATURE °C** key (4) until display 2 (below) shows the desired temperature. In order to select the temperature, always consult the tables shown in Chapter 3.

- Note**
- once the cooking has been started, display 2 will show the increase in real temperature inside the oven.
 - once the temperature set has been reached, a sound signal will be emitted (3 beeps). The temperature set will then remain shown on display 2.
 - it is possible to modify the power set even during cooking, simply by pressing more times the **TEMPERATURE °C** key (5).







- 5** Start the cooking process by pressing the  key (13). The count-down of the remaining cooking time will appear on the display 1, and if included in the mode, the oven temperature on display 2.

- Note:**
- should the cooking process for any reason fail to start, all the settings will be automatically cancelled after 2 minutes.



- 6** When cooking finishes, a sound signal is emitted every 30 seconds (3 beeps) and the word "END" will appear on the display. Open the door and take out the food (the time of day will appear, or if the oven is hot, the word "COOL" – see note below).

- Note:**
- it is possible to check the progress of the cooking set at any time, by opening the door and inspecting the food. This interrupts the emission of microwaves and oven stops working until the door is closed again and the  key (13) is pressed.
 - Should it be necessary for any reason to suspend the cooking without opening the door, you only need press the  key (12).
 - In order to complete the cooking, proceed as follows:
 - if the oven door is open, press the  key (12) once;
 - if the door is closed and cooking is underway, press the  key (12) twice; the display will go back to showing the clock.
 - this model is equipped with an automatic cooling cycle which comes into action whenever the oven is very hot (for example after something has been cooked for a long time). During this cycle the word "COOL" will appear on display 1. The fans and the oven light will come on (they will go off automatically).

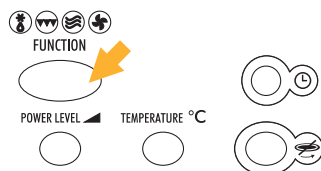
While "COOL" is displayed, the oven will accept all commands with the exception of PASTA mode commands.

At the end of each cooking cycle, the oven light and the cooling fan will remain in operation until the oven door is opened.

chapter 2 – using the controls and setting the modes

2.3 AUTOMATIC DEFROSTING AND COOKING SEQUENCE

In order to programme an automatic defrosting and cooking sequence pro-

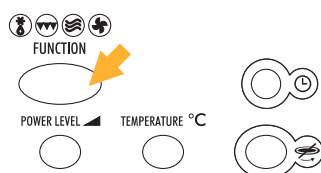


ceed as follows:

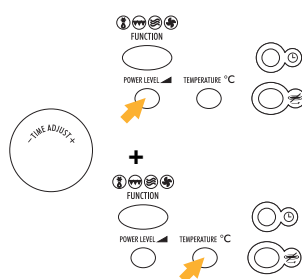
- 1 Set the automatic defrosting mode by pressing the **FUNCTION** key (3) twice (mode selection). The indicator corresponding to the automatic defrosting will appear on the display.



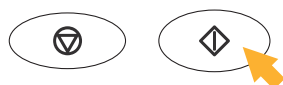
- 2 Set the length of time required for the defrosting (in minutes) by turning the **TIME ADJUST** knob (14).



- 3 Set the cooking by selecting the desired mode with the **FUNCTION** key (3) (mode selection) until the corresponding indicators appear.
(ex. Combined microwave + fan function)

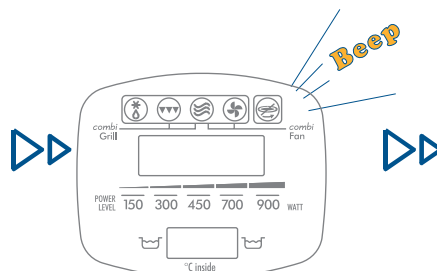
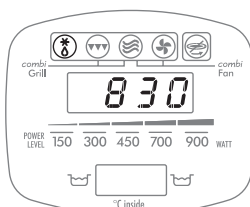


- 4 Adjust the length of cooking time and, if included in the mode, the microwave power level and the oven temperature as shown in the preceding paragraph (par. 2.2).



- 5 Press the key (13).

The passage from defrosting to cooking will be signalled by a sound signal.

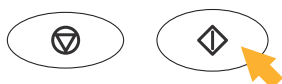



chapter 2 – using the controls and setting the modes

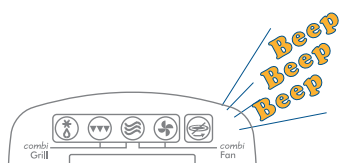
2.4 RECALLING THE PRE-MEMORISED RECIPES (AUTOMATIC FUNCTION KEYS)



- 1 Press the desired **AUTOMATIC FUNCTION** key.
(The indicators of the length and temperature set will flash on the display and the pre-memorised mode and power level indicators will come on.)
Consult paragraph 4.8 in order to choose the most suitable menu.



- 2 Press the  key (13) in order to start cooking.




- 3 At the end of the time set 3 long beeps will be heard and the word "END" will appear on the display.

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2.5 QUICK REHEAT

This mode is very useful for heating small quantities of food and drink.

- Press the  key (13); the oven will come on for 30 seconds at maximum power. By pressing the key again the time will increase by 30 seconds each time up to 3 minutes.
- This mode is activated only if it is carried out within 1 minute after the food has been placed in the oven.



The Quick Reheat is also useful to complete unfinished cooking.

Once the cooking procedure has begun, the programmed time can be modified with the **TIME ADJUST** (14) knob to a maximum time limit of 60 minutes.


2.6 CHILD SAFETY


The oven is equipped with a safety device which prevents pre-set cooking times from being tampered with while the cooking is underway, in order to avoid accidental and dangerous extensions to the cooking time which might cause the food to burn.

To activate the safety device:

- Keep the  key (12) pressed down for 5 seconds.
- A short beep is emitted: from this point it will no longer be possible to alter the times during all cooking.
- In order to deactivate the safety device once it has been previously activated, keep the  key (12) pressed until the beep is heard.

2.7 TURNTABLE STOPPER KEY


When using large sized containers/recipients (or containers with handles) that are not able to rotate, the movement of the turntable can be stopped. Press the TURNTABLE STOPPER  key (15), after having first set a cooking function: the LED in the top right will start flashing.

After having pressed , the LED will flash a further 5 times, and will then remain on for the entire set time; for best results, the food should be mixed/stirred a number of times during cooking. The TURNTABLE STOPPER function will remain on the next time the oven is used, that is until the TURNTABLE STOPPER key is pressed again.

For the microwave-only function, the maximum power available is 700W (reduced automatically by the electronic controller when pressing the TURNTABLE STOPPER key).

2.8 "MEMOTIME" FUNCTION

This function allows for the use of the timer, with the oven NOT functioning, for up to 60 minutes.

- Press the **FUNCTION** key until 3 dashes appear on display 2, then select the time desired by turning the **TIME ADJUST** (14) knob and start the timer by pressing the  (13) key.
- At the end, 3 beeps will sound and the "end" warning will appear on display 1.

CHAPTER 3 - USING THE PASTA COOKER

Pasta cooking using the exclusive accessory *Pasta* with this oven has been analysed by sensory and chemical tests at the University of Bologna, Cesena, as confirmed by the accompanying certificate:

PRELIMINARY RESULTS OF ONGOING COLLABORATION BETWEEN UNIVERSITY OF BOLOGNA (SITE OF CESENA) AND DE LONGHI S.p.A.

Introduction

Object of the agreement was the comparative evaluation of pasta quality submitted to traditional cooking (in boiling water) and cooked using the microwave equipment (Patent MI2001A002147) supplied by De Longhi S.p.A.

Description of tested technology

During the experimental study, a microwave (MW) oven, suitable for domestic use, equipped with a container originally designed by De Longhi S.p.A., was used to cook spaghetti samples.

The quality parameters of MW cooked pasta have been compared, using strictly standardised procedures, with similar pasta samples obtained from traditional cooking cycles in boiling water, following the directions suggested by the pasta producer.

Having thoroughly tested the innovative MW equipment, subjected to critical evaluation in the present study, it was possible to automatically cook pasta just by placing a well defined amount of uncooked dry pasta in the container supplied with the oven, adding the right quantity of water (tap water or pre-heated water), and starting the oven.

Methodology

Analytical methodologies have been used to evaluate some characteristic aspects of cooked pasta as absolute values through a comparison between De Longhi's MW oven cooked pasta and traditional cooked pasta, following cooking directions generally used in both domestic and industrial cooking in catering service.

Analytical controls

Analytical evaluations were carried out in laboratory about the behaviour of pasta during cooking (water increase, weight increase, release of starch), instrumental test of pasta rheology and quality (superficial stickiness, firmness, colour, volume increase, etc.), and sensorial evaluation by a trained panel test.

Furthermore, structures of samples from both MW and traditionally cooked pasta were examined by scanning electronic microscopy (SEM).

Most of the methodologies have been chosen on the basis of national and international literature on pasta quality evaluation.

To perform the comparative study was used the same batch of pasta coming from the largest pasta manufacturer in Italy.

Results

On the basis of the performed research, it has been shown that the two methods of cooking are statistically equivalent for quality parameters, i.e. water absorption, weight increase, stickiness, firmness, colour and volume increase during cooking.

The rate of release of organic material (mainly starch) from the pasta sample into the cooking water and the rate of gelatinisation of starch in the samples, resulted significantly ($p \leq 0.05$) lower for MW cooked samples. These results could mean a higher level of retention of original starch in the pasta structure.

This could be explained by the temperature profile of the cooking cycle that, in MW cooking, reaches the boiling point of water only at the end of the cooking time.

Sensorial analysis by panel test showed that the two samples (MW and traditional cooked pasta) are not significantly different taking into account most of the sensory descriptors, such as firmness, superficial stickiness, sauce adhesion, etc.

Judgement on De Longhi MW pasta cooking apparatus

The obtained results allow to confirm that the use of the innovative De Longhi MW pasta cooking equipment, by following manufacture directions, is suitable to cook a good quality pasta in a domestic environment.

In witness whereof

Prof. Marco Dalla Rosa

Visiting Professor of Food Technology Processes

Food Sciences and Technologies, University of Bologna.



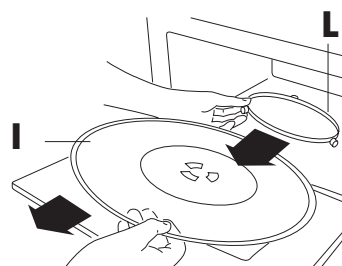
chapter 3 – using the pasta cooker

3.1 - INTRODUCTION

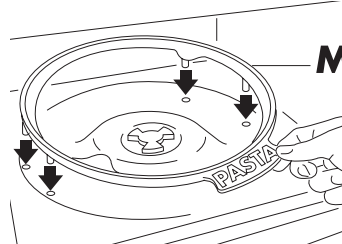
The pasta cooker accessory can be used to cook all types of pasta, maintaining its nutritional value. This new and exclusive system reduces cooking time and simplifies preparation, avoiding the need to add the pasta once the water has come to the boil, mix it during cooking or raise the cover to avoid the foam boiling over. **Before using for the first time, wash all pasta cooker accessories with water and washing up liquid or in a dishwasher.**

3.2 - USING THE COOKER AND SETTING THE CONTROLS

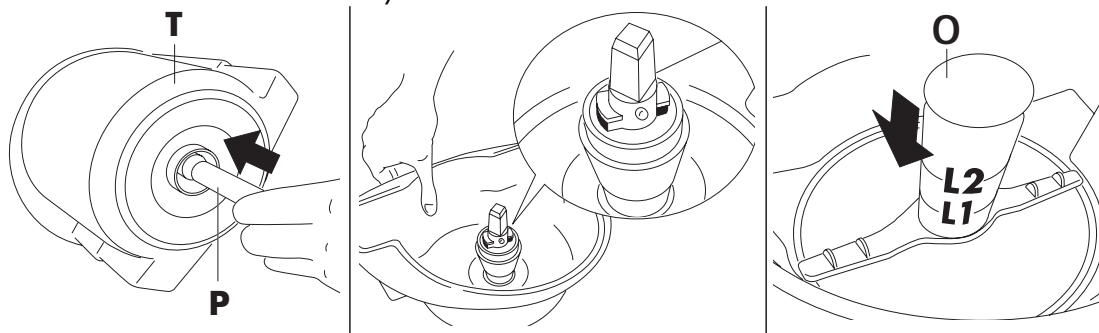
- 1** Remove the turntable (I) and turntable support with wheels (L) from the oven.



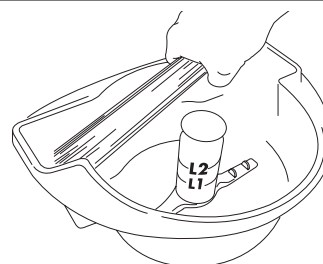
- 2** Position the pasta cooker support (M) as shown in the figure, inserting the three pins into the three holes in the bottom of the cavity (the word PASTA should face the front).



- 3** Insert the shaft (P) into the hole in the bottom of the container (T). To lock the shaft, push upwards and rotate until the two teeth protrude from the slots (this can be facilitated by looking from the inside of the container). Insert the mixer (O) into the central housing, making sure the blades are in contact with the bottom and not raised excessively.



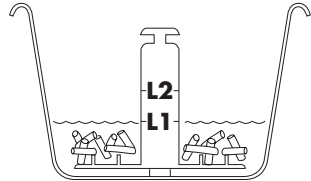
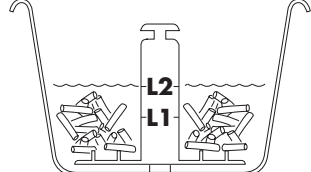
- 4** Add the pasta to the container (T) (max. 400 g), taking care not to exceed the L2 level on the mixer (O). Whole spaghetti must be positioned in the special compartment illustrated in the figure. Make sure the spaghetti are not raised.



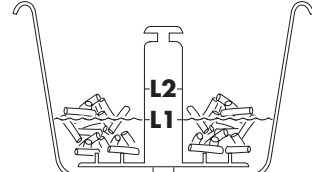
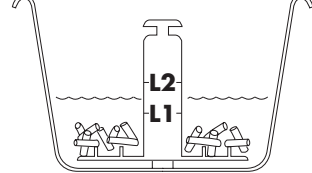
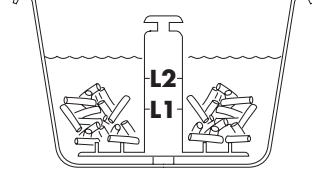
chapter 3 – using the pasta cooker

- 5** Level the pasta by shaking the container gently. Pour in the water (*) required to cover the pasta completely until it reaches one of the two levels (L1 or L2) on the mixer as shown in the pictures below:

RIGHT:

	The pasta is completely covered by the water at the L1 level (min).
	The pasta is completely covered by the water at the L2 level (max).

WRONG:

	The pasta is not properly covered by the water.
	Water level is between L1 and L2 (it must be either L1 or L2 level)
	The level of water exceeds the maximum amount of water allowed for the PASTA function (over the L2 level)

- Remember that the level of water must ALWAYS reach either Level L1 or Level L2 and must never be between the two.

IMPORTANT:

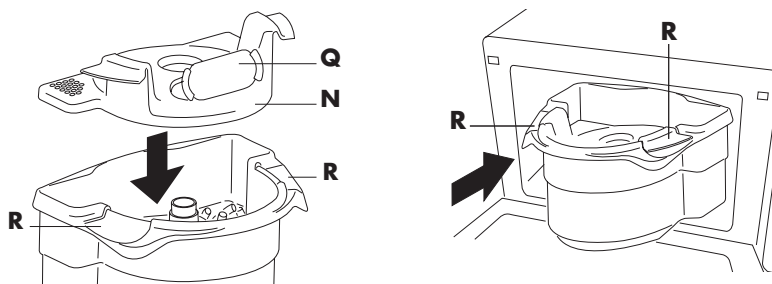
- REMEMBER TO PUT IN THE PASTA FIRST AND THEN THE WATER.**
- THE PASTA MUST BE COMPLETELY COVERED BY THE WATER OR PASTA EMERGING FROM THE WATER COULD BE OVERCOOKED AND ASSUME A BURNT COLOUR.**

Remember that pasta increases considerably in volume during cooking. If level 1 provides only minimal coverage of the pasta (eg. pasta with high volume formats), you are recommended to increase the water to L2.

(*) *The water may be either at room temperature (about 20°C) or hot (about 50°C).
The hotter the water, the shorter the cooking time.*

chapter 3 – using the pasta cooker

- 6** Add salt and cover the container (T) with the cover (N). Make sure the hatch (Q) is free to open. Place inside the oven, making sure the handles (R) are facing the door as shown in the figure. The container must be positioned on the pasta cooker mount (M) inserted previously (see point 2); the word PASTA will appear on the display. Close the door.



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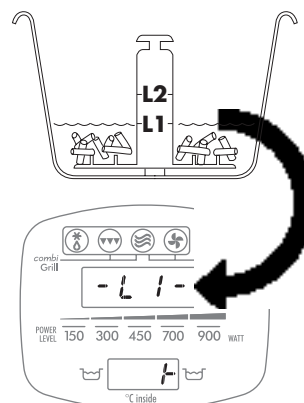
about 50°C

about 20°C

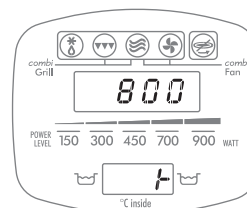


- 7** Select the key corresponding to the water temperature - red if the water you have added is hot (about 50°C) or blue for water at room temperature (about 20°C). Set the level of water in the container (L1 or L2) by pressing the same key a number of times.

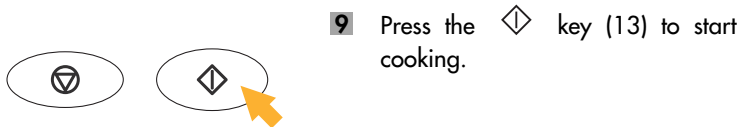
If the red key is pressed, the icon indicating selection of cooking with hot water will be displayed.



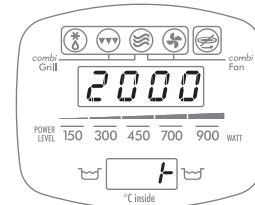
- 8** Select the cooking time written on the pack for the pasta used (eg. 8 minutes) by rotating the **TIME ADJUST** knob (8).



chapter 3 – using the pasta cooker





- 9 Press the  key (13) to start cooking.





ENGLISH

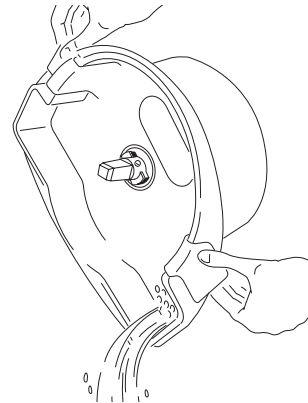
The oven will automatically calculate the TOTAL time required to heat the water and complete cooking. This will be immediately displayed.

At the start of cooking, the mixer is stationary. It begins rotating automatically about halfway through cooking.

One minute from the end, the oven will emit a "beep". This indicates that the time is nearly over and you are recommended to remove the container and taste the pasta (through door Q). Pay attention to the escaping steam. If the pasta is already cooked, press the  key (7) to interrupt the remaining cooking programme. If the pasta is still hard, finish cooking for the remaining minute by pressing the  key (13).

At the end of the minute, the oven will emit three beeps and the word "END" will be displayed. You can then remove the container to drain the pasta or check whether it is cooked again:

If the pasta is already cooked, press the  key (7), drain the pasta keeping the handles (R-S) firmly pressed and sloping the container forwards and leftwards to allow the water to drain out of the holes on the left side of the cover (see figure alongside). Remove the cover, lifting it by the handles (S) (take care to avoid escaping steam), remove the mixer, pour out the pasta and add the sauce. If the pasta is still not cooked to your taste, the cooking time can be prolonged by replacing the container, closing the door ("000" will flash on the display) and setting additional minutes by rotating the **TIME ADJUST** knob (8) and pressing the  key (13).



3.3 - IMPORTANT WARNINGS

When using the pasta cooker accessory, pay attention to the following:

- Take care when removing the container from the oven and draining the pasta. the plastic may seem cold, but escaping steam could cause burns. You are recommended to use oven gloves.
- Never place the accessory above sources of heat or the oven when in operation.
- Do not cook pasta immediately after using the oven in combi or grill mode. The temperature of the oven could be too high, thus damaging the container.
- **While "COOL" is displayed, the oven will accept all commands with the exception of PASTA mode commands.**
- Make sure the hatch (Q) in the cover is always clean and free to open.
- The pasta cooker must be used to cook pasta according to the instructions in this book. It must never be used for other purposes.
- Never use the pasta cooker empty without water and pasta.
- While the pasta cooker is in the oven, other modes cannot be set.

To clean the accessory, see paragraph 5.1 on page 57.

CHAPTER 4 – USING THE OVEN: SUGGESTIONS AND TIME CHART

4.1 DEFROSTING

- Frozen food in plastic bags, plastic film or cardboard packets can be placed directly in the oven for defrosting as long as the packet has no metal parts (e.g. metal ties or staples).
- Certain foods, such as vegetables and fish, do not require complete defrosting before being cooked.
- Boiled foods, stews and meat sauces defrost better and more quickly if they are stirred from time to time, turned over and/or separated.
- Meat, fish and fruit lose a certain amount of liquid during defrosting. Defrost these foods in a bowl.
- It is advisable to separate each individual piece of meat into its own bag before putting it into the freezer. This will enable you to save precious preparation time.
- It is important to observe the standing times immediately after defrosting, before cooking; the standing time (in minutes) is the length of time for which the food must be left to stand to allow the heat to continue spreading evenly in the food.

TABLE OF DEFROSTING TIMES IN "AUTOMATIC DEFROSTING" MODE

TYPE	QUANTITY	TIME (minutes)	NOTES/SUGGESTIONS	WIRE RACK TO BE USED	STANDING TIME
MEAT					
• Roasts (pork, beef, veal etc.)	1 kg	19 - 21	Turn over halfway through defrosting	None	20
• Steaks, chops, rashers	200 gr	4 - 6		None	5
• Stew, goulash	500 gr	10 - 12	See note *	None	10
• Minced	250 gr	5 - 7		None	15
	500 gr	10 - 12		None	15
• Hamburgers	200 gr	5 - 7		None	10
• Sausages	300 gr	6 - 8		None	10
POULTRY					
• Duck, turkey	1,5 kg	25 - 27	Turn the poultry over halfway through . When the standing time is over, wash under warm water to remove any ice.	None	20
• Whole chicken	1,5 kg	25 - 27		None	20
• Pieces of chicken	850 gr	13 - 15		None	10
• Chicken breast	300 gr	8 - 10		None	10
VEGETABLES			Frozen vegetables do not need to be defrosted before cooking		
FISH					
• Fillets	300 gr	7 - 9	Turn the fish over halfway through defrosting	None	7
• Slices	400 gr	8 - 10		None	7
• Whole	500 gr	10 - 12		None	7
• Prawns	400 gr	8 - 10		None	7
MILK/DAIRY PRODUCTS					
• Butter	250 gr	4 - 6	Remove the silver foil or the metal parts should not be completely defrosted. Observe the standing time. The cream should be removed from its container and placed in a dish.	None	10
• Cheese	250 gr	5 - 7		None	15
• Cream	200 ml	7 - 9		None	5
BREAD					
• 2 medium-sized rolls	150 gr	1 - 2	Put the bread directly onto the turntable.	None	3
• 4 medium-sized rolls	300 gr	2 - 4		None	3
• Sliced bread	250 gr	2 - 4		None	3
• Sliced wholemeal bread	250 gr	2 - 4		None	3
FRUIT					
• Strawberries, plums, cherries, redcurrants, apricots	500 gr	8 - 10	Stir 2-3 times	None	10
• Raspberries	300 gr	5 - 7	Stir 2-3 times	None	10
• Blackberries	250 gr	3 - 5	Stir 2-3 times	None	6

* These guidelines are suitable for carrying out the Defrosting Test for mince according to IEC Regulation 705, Par. 18.3, (see par. 2). Turn the block upside down halfway through the time set. The block which is to be defrosted should be placed directly on the turntable. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

chapter 4 – using the oven: suggestions and time grids


4.2 REHEATING

Reheating food is one of the modes in which your microwave oven displays all its usefulness and efficiency. Compared to traditional methods, using a microwave obviously saves time and therefore electricity.

- It is advisable to reheat food (especially if it is frozen) to a temperature of at least 70°C (it must be piping hot). This means the food will not be ready to eat immediately because it is too hot! but it will be completely sterilised.
- In order to reheat pre-cooked or frozen food, always observe the following rules:
 - always remove the food from metal containers
 - cover it with transparent film (of the kind suitable for microwave ovens) or grease proof paper so that all the natural flavour is preserved and the oven will stay cleaner; the food may also be covered with an upturned plate;
 - if possible, stir or turn the food frequently in order to speed up the reheating process and to make it cook more evenly;
 - follow the cooking times shown on the packet with considerable caution; remember that, under certain conditions, the times shown must be increased.
- Frozen food must be defrosted before being reheated. The lower the initial temperature of the food, the longer the reheating time will have to be.

Note: some dishes can also easily be reheated by using the "AUTOMATIC FUNCTION" pre-memorised recipes (see table on page 54).

TABLE OF REHEATING TIMES








TYPE	QUANTITY	FUNCTION	POWER LEVEL	TIME minutes	NOTES/SUGGESTIONS	
SOFTENING AND MELTING FOOD						
<ul style="list-style-type: none">Chocolate/icingButter	100 gr 50-70 gr	 "	450 900	4 - 5 0'.10"-0'.15"	Put in a dish. It is not necessary to stir chocolate cubes. Mix the icing once. To melt butter, add one minute.	
CHILLED FOODS (5/8°C) up to 20/30°C						
<ul style="list-style-type: none">YoghurtFeeding bottle	125 gr 240 gr	" "	900 "	0'.15"-0'.20" 0'.30"-0'.35"	Remove the metal top. Heat the baby's bottle without the teat and mix it immediately after heating to make the temperature uniform. Check the temperature of the contents before use. With milk at room temperature the heating time is lower. To avoid risk of fire when using dried milk please stir evenly. Please use already sterilized milk.	
PRE-COOKED CHILLED FOODS (initial temp. 5/8°C) up to approx. 70°C						
<ul style="list-style-type: none">Packet of lasagne or stuffed pasta	400 gr	"	900	3 - 5	Packets of any type of pre-cooked food available in the shops, to be reheated to 70°C. Remove the food from any metal packets and put it directly onto the plate from which it is to be eaten. For best results the food should always be covered.	
<ul style="list-style-type: none">Packet of meat with rice and/or vegetables	400 gr	"	"	3 - 5		
<ul style="list-style-type: none">Packet of fish and/or vegetables	300 gr	"	"	2 - 4	Plate of meat and/or vegetables Portions of any type of cooked food to be reheated to 70°C. The food should be placed directly onto the plate from which it is to be eaten and should always be covered either with transparent film or with an upturned plate.	
<ul style="list-style-type: none">Plate of meat and/or vegetables	400 gr	"	"	4 - 6		
<ul style="list-style-type: none">Plate of pasta, cannelloni or lasagne	400 gr	"	"	4 - 6		
<ul style="list-style-type: none">Plate of fish and/or rice	300 gr	"	"	3 - 5		
FROZEN FOOD TO BE REHEATED/COOKED (initial temp. -18/-20°C) up to approx. 70°C						
<ul style="list-style-type: none">Packet of lasagne or stuffed pasta	400 gr	"	900	5 - 7	All kinds of pre-cooked frozen food to be reheated to 70°C directly in the packet. For metal containers, place the food directly onto the dish from which it is to be eaten and increase the cooking time by a few minutes.	
<ul style="list-style-type: none">Packet of meat with rice and/or vegetables	400 gr	"	"	4 - 6		
<ul style="list-style-type: none">Packet of pre-cooked fish and/or vegetables	300 gr	"	"	2 - 4		
<ul style="list-style-type: none">Packet of fish and/or raw vegetables	300 gr	"	"	6 - 8	Remove raw food from the packets, place it in a container suitable for microwaves and cover. Portions of cooked frozen food to be heated to 70°C. Place the frozen food onto the dish from which it is to be eaten and cover it with an upturned plate or Pyrex lid. Make sure that it is thoroughly heated in the centre; if possible, stir the food.	
<ul style="list-style-type: none">Portion of meat and/or vegetables	400 gr	"	"	5 - 7		
<ul style="list-style-type: none">Portion of pasta, cannelloni or lasagne	400 gr	"	"	6 - 8		
<ul style="list-style-type: none">Portion of fish and/or rice	300 gr	"	"	3 - 5		
CHILLED DRINKS (5/8°C) up to approx. 70°C						
<ul style="list-style-type: none">1 cup of water1 cup of milk1 cup of coffee1 bowl of clear soup	180 cc 150 cc 100 cc 300 cc	" " " "	900 " " "	1'30" - 2' 1'.15" - 1'.45" 1'.15" - 1'.45" 3 - 4	All drinks should be shaken after reheating to spread the temperature evenly. We recommend covering clear soup with an upturned plate.	
DRINKS AT ROOM TEMPERATURE From 20/30°C up to approx. 70°C						
<ul style="list-style-type: none">1 cup of water1 cup of milk1 cup of coffee1 bowl of clear soup	180 cc 150 cc 100 cc 300 cc	" " " "	900 " " "	1'.15" - 1'.45" 1 - 1'.30" 0'.45" - 1'.15" 2 - 3		All drinks should be shaken after reheating to spread the temperature evenly. We recommend covering clear soup with an upturned plate.

chapter 4 – using the oven: suggestions and time grids

4.3 - COOKING ANTIPASTI AND FIRST COURSES












Vegetable soups and other soups in general require less liquid because in a microwave oven evaporation is rather minimal. Salt must be added only at the end of cooking or during standing time as it dehydrates the food.

It is fair to say that the time needed to cook rice in the microwave oven (as indeed for pasta) is more or less equal to that needed to cook it on a stove in the traditional manner. The advantage of preparing a risotto in a microwave oven is that it does not need stirring continually (this only needs to be done 2 or 3 times).

TYPE	QUANTITY	FUNCTION	POWER LEVEL	TEMPERATURE	TIME minutes	NOTES/SUGGESTIONS	WIRE RACK TO USE
• Lasagne	1100 gr		900 900	- -	8 8	Suitable times for raw pasta. If the pasta is pre-cooked, 8 minutes of Combined MICROGRILL cooking is enough.	Low
• Gnocchi alla romana	600 gr		900	-	12	Avoid piling them up too heavily	Low
• Macaroni	1500 gr		900	-	8	The pasta should have previously been boiled separately.	Low
• Risotto	300 gr. of rice		900	-	12-15	The ingredients should all be placed together in a container suitable for microwaves and covered with transparent film (750 g of clear soup is needed for 300 g of rice with the microwaves on full power for approx. 10-12 minutes).	None
• Pizza	800 gr		-	200°C	30	Spread the pizza on oven paper resting on a shelf for cakes or on the detachable base of metal baking tin for cakes. Preheat the oven to 200°C.	Low
• Fresh Quiche Lorraine	800 gr		-	160°C	40	Use a cake tin with a handle (the oven should be pre-heated).	Low
• Frozen Quiche Lorraine	550 gr		-	190°	45	Place on the bottom of a metal baking tin (the oven should be pre-heated).	Low

4.4 - COOKING MEAT

Cooking is closely linked to the size and uniformity of the food which is to be cooked: kebabs cook before a roast because they consist of smaller, more evenly-sized pieces of meat. To keep roasts, chicken and kebabs moist, it is advisable to add 1 or 2 cups of water at the start of cooking.

TYPE	QUANTITY	FUNCTION	POWER LEVEL	TEMPERATURE	TIME minuti	NOTES/SUGGESTIONS	WIRE RACK TO USE
• Roasts (pork, beef)	1000 gr		450	190°C	35-40	Leave on a little fat to avoid it drying out. Do not add much sauce.	Low
• Meatloaf	800 gr		450	180°C	22-25	Mix 500 g of minced beef with egg, ham, grated Bread, etc. Add a touch of oil and a little white wine.	Low
• Meatloaf	900 gr		700	-	20	See note *	None
• Whole chicken	1200 gr		700	190°C	40	Prick the skin to allow the fat to run off. See note **	Low
• Pieces of chicken	850 gr		700	190°C	25	Stir once during cooking	Low
• Kebabs	600 gr		450	180°C	17-20	Turn halfway through cooking	Low
• Goulash	1500 gr		900	-	30-35	Cook uncovered and stir 2-3 times	None
• Chicken breast	500 gr		700	-	10-15	Turn halfway through cooking	None
• Veal or pork chop	3 pieces		-	-	16-18	Preheat the oven for 3 minutes. Turn through cooking, as the heating element only irradiates heat from the upper part of the oven.	High
• Sausages	3 pieces		-	-	10-12	Preheat the oven for 3 minutes. Turn through cooking, as the heating element only irradiates heat from the upper part of the oven.	High
• Hamburgers	3 pieces		-	-	10-12	Preheat the oven for 3 minutes. Turn through cooking, as the heating element only irradiates heat from the upper part of the oven.	High

* These guidelines are suitable for carrying out the Cooking Tests for mince according to IEC Regulation 705, Par. 17.3, Test C. Cover the container with transparent film. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

** These guidelines are suitable for carrying out the Cooking Tests according to IEC Regulation 705, Par. 17.3, Test F. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

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4.5 - COOKING SIDE DISHES AND VEGETABLES

Vegetables cooked in a microwave oven preserve their colour and nutritional value better than in traditional cooking.

Wash and peel the vegetables before starting to cook.

The larger vegetables should be cut into evenly-sized pieces.

Add approx. 5 spoonfuls of water for every 500g of vegetables (vegetables which have a high fibre content require more water).

The vegetables should always be covered with transparent film.

Stir at least once halfway through cooking and add a little salt only at the end.

Warning: the cooking times in the table are purely intended as guidelines and are on the basis of the food's weight and initial temperature as well as its consistency and structure.

TYPE	QUANTITY	FUNCTION	POWER LEVEL	TEMPERATURE	TIME minutes	NOTES/SUGGESTIONS	WIRE RACK TO USE
• Asparagus	500 gr		900	-	8-9	Cut into 2 cm pieces	None
• Artichokes	300 gr		900	-	10-11	It would be better to use artichoke bottoms	None
• Green beans	500 gr		900	-	10-11	Cut in pieces	None
• Broccoli	500 gr		900	-	6-7	Separate into single "flowers"	None
• Brussels sprouts	500 gr		900	-	6-7	Leave whole	None
• White cabbage	500 gr		900	-	6-7	Leave whole	None
• Red cabbage	500 gr		900	-	6-7	Leave whole	None
• Carrots	500 gr		900	-	8-9	Cut into evenly-sized pieces	None
• Cauliflower	500 gr		900	-	10-11	Separate into tops	None
• Cauliflower in béchamel sauce	1000 gr	+	900	-	7 + 10	Times with raw cauliflower. If pre-cooked, needs only 10 minutes with grill in Combined mode	Low
• Celery	500 gr		900	-	6-7	Separate into pieces	None
• Aubergines	800 gr		900	-	5-6	Cut into cubes	None
• Grilled aubergines	4 slices		-	-	9-11	Preheat for 3 minutes. Turn halfway through cooking	High
• Aubergines "alla parmigiana"	1300 gr		900	-	7-9	The aubergines may be first grilled or fried	Low
• Leeks	500 gr		900	-	5-6	Leave whole	None
• Button mushrooms	500 gr		900	-	5-6	Leave whole and cover. No need for water	None
• Onions	250 gr		900	-	4-5	Whole in equal sizes. No need for water	None
• Spinach	300 gr		900	-	5-6	Cover after washing and draining	None
• Peas	500 gr		900	-	9-10		None
• Fennel	500 gr		900	-	11-12	Cut into quarters	None
• Grated tomatoes	800 gr		450	-	9-11	It is preferable for them to be of equal sizes	Low
• Peppers	500 gr		900	-	8-9	Cut into pieces	None
• Grilled peppers	4 quarters		-	-	9-11	Preheat for 3 minutes. Turn halfway through cooking	High
• Stuffed peppers	1400 gr	+	900 900	- -	8 + 9	Preferably the short, broad kind	Low None
• Potatoes	500 gr		900	-	7-8	Cut into evenly-sized pieces	Low
• Roast potatoes (fresh)	500 gr		450	190°C	25-30	Stir 2-3 times	Low
• Roast potatoes (frozen)	900 gr		450	200°C	35-40	Stir 2-3 times	Low
• Potato gratin	1100 gr (total)		700	190°C	20	See note *	None
• Courgettes	500 gr		900	-	6-7	Leave whole	

* These guidelines are suitable for carrying out Combined Cooking Test D according to the Regulation Project (3rd edition of IEC 705) contained in the document IEC 53H/69/CD. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

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









4.6 - COOKING FISH

Fish cooks very quickly and with excellent results. It can be dressed with a little butter or oil (or even left without). Cover it with transparent film. Naturally if it has its skin, this must be cut; the fillets should be arranged evenly. It is not advisable to cook fish breaded with egg.

TYPE	QUANTITY	FUNCTION	POWER LEVEL	TEMPERATURE	TIME minutes	NOTES/SUGGESTIONS	WIRE RACK TO BE USED
• Fillets	300 gr		700	-	5-7	Cover with film	None
• Pieces	300 gr		700	-	7-9	Cover with film	None
• Whole	500 gr		700	-	8-10	Cover with film	None
• Whole	250 gr		700	-	5-7	Cover with film	None
• Slices	400 gr		700	-	7-9	Cover with film	None
• Prawns	500 gr		700	-	7-9	Cover with film	None
• Baked fish	600 gr	 	150	190°	30	Add oil, a clove of garlic and drop of white wine. Do not cover.	Low

4.7 - COOKING DESSERTS AND CAKES

For cooking all cakes the oven must be preheated to the temperature shown in the table. Only after reaching the temperature set (signalled by 5 beeps) may the cake be placed in the oven

TYPE	QUANTITY	FUNCTION	POWER LEVEL	TEMPERATURE	TIME minutes	NOTES/SUGGESTIONS	WIRE RACK TO BE USED
• Hazelnut cake	1100 gr	 	150	170°C	25-30	Use a heat-resistant container	Low
• Quark cake	1500 gr	 	450	170°C	35-40	Use a heat-resistant container	Low
• Jam tart	700 gr		-	160°C	55	Use a metal cake tin	Low
• Plum cake	950 gr		-	160°C	90	Use a rectangular mould	Low
• Light sponge cake	700 gr		-	160°C	40	Use a metal cake tin	Low
• Walnut cake	650 gr		-	160°C	40	Use a metal cake tin	Low
• Egg custard	750 gr		900	-	16	See note *	None
• Sponge cake	475 gr		900	-	8	See note *	Low
• Sponge cake	710 gr	 	150	170°C	30	See note **	Low

* These guidelines are suitable for carrying out the Cooking Tests according to IEC Regulation 705, Par. 17.3, Tests A and B respectively. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

** These guidelines are suitable for carrying out Combined Cooking Test E according to the Regulation Project (3rd edition of IEC 705) contained in the document IEC 59H/69/CD. Remember to preheat the oven only in Fan mode with the low wire rack in place. Further information, also regarding other Performance Tests according to IEC Regulation 705 is given in the table on page 2.

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4.8 - REHEATING/COOKING USING THE “AUTOMATIC FUNCTION” KEYS

The **AUTOMATIC FUNCTION** keys are 5 different programmes with “pre-memorised” length of cooking time, power level and oven temperature; they afford excellent results for the dishes described in the following table.

KEY	WHAT TO DO	SUGGESTIONS
(7) BEVERAGES	• Press once	After reheating the liquid, stir well to spread the temperature evenly.
	• Press twice	
	• Press 3 times	
	• Press 4 times	
(8) READY MEALS	<i>chilled ready meals (5-8°C)</i> Warning: at the end of the reheating the food and the containers may be very hot. Use tweezers or oven gloves.	Suitable for cooked portions of food, preserved in the refrigerator on the plate (the one from which the food is to be eaten). The food must never be covered. For pre-cooked dishes in packets, remove the food from possible aluminium tubs/packets and place it on a plate.
	• Press once	
	• Press twice	
(9) PIZZA	<i>Pizza and frozen ready meals</i> Warning: at the end of the reheating the food and the containers may be very hot. Use tweezers or oven gloves.	Place the pizza directly on the low wire rack. Place the packet on the turntable, being careful to remove any covers (film bags). If the packet is not suitable for microwaves, however, (e.g. metal tubs), remove the food from the packet pre-cooked frozen dishes (e.g. meat or side dishes) placing it uncovered on the turntable.
	• Press once	
	• Press twice	
	• Press 3 times	

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4.9 - SIMULTANEOUS COOKING ON 2 LEVELS

By using the spacer medium wire rack (G) with the microwave-only function, you can defrost, reheat and cook foods at the same time, even different dishes on two levels. The special double-microwave-emission system makes possible, in fact, a perfect distribution of energy.

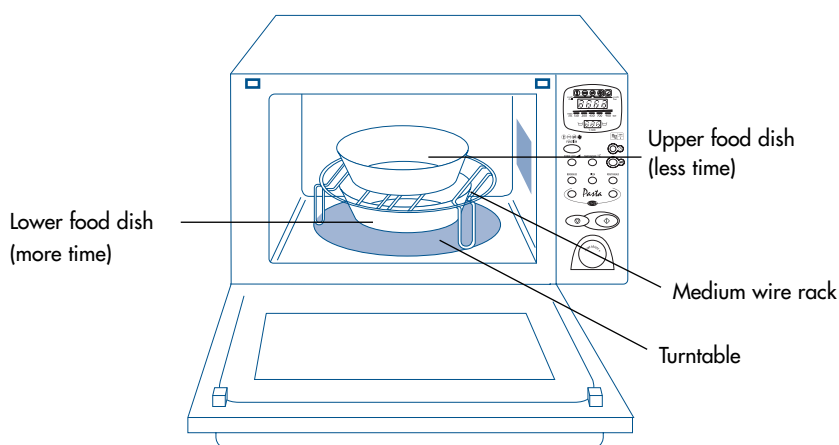
When you wish to cook two food dishes at the same time, all you have to do is keep these basic rules in mind:

- 1) The cooking times for food dishes cooked at the same time are different from those for the cooking of single dishes. So always consult the reference table on page 56.

<i>Times for simultaneous cooking</i>	
Potatoes (above)	16 min
Goulash (below)	40 min
<i>Cooking times for single dishes</i>	
Potatoes	7 - 8 min
Goulash	30 - 35 min

ENGLISH

- 2) Be careful to ALWAYS place on the MEDIUM WIRE RACK † that food which requires less cooking time: it will thus be easier to remove the upper pan.
Take the grill out and finish cooking the food underneath.



- 3) Pay strict attention to the indications and recommendations in the tables. In particular, always check to be sure that the food being reheated is very hot before removing it from the oven.

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REFERENCE TABLES FOR COOKING ON TWO LEVELS

Defrosting times

Type	Pan position	Quantity (grams)	Power level	Minutes	Notes
• Ground meat	above	500	⊗	20	Turn the meat over after 10 min. When the
• Ground meat	below	500	⊗	20	cooking is finished, let the meat sit for 15 min.
• Chicken in pieces	above	500	⊗	24	During the defrosting, pull the pieces apart. When
• Stew	below	500	⊗	24	the cooking is finished, let the meat sit for 15 min.
• Cauliflower	above	450	⊗	22	At the end, let sit for 5 to 10 min.
• Whole fish	below	500	⊗	22	At the end, let sit for 5 to 10 min.

Reheating times

Type	Pan position	Quantity (grams)	Power level	Minutes	Notes
• Meat, single serving	above	150	900	6	Cover the food with plastic wrap
• Vegetables, single serving	below	250	900	6	Cover the food with plastic wrap
• Plate of lasagne	above	500	900	9	Cover the food with plastic wrap
• Plate of lasagne	below	500	900	9	Cover the food with plastic wrap
• Meat, single serving	above	150	900	6	Cover the food with plastic wrap
• Plate of lasagne	below	500	900	8	Cover the food with plastic wrap

Cooking times

Type	Pan position	Quantity (grams)	Power level	Minutes	Notes
• Potatoes	above	500	900	16	Cut in equal-size pieces and cover with plastic wrap.
• Potatoes	below	500	900	16	Cut in equal-size pieces and cover with plastic wrap.
• Carrots	above	500	900	18	Cut in equal-size pieces and cover with plastic wrap.
• Carrots	below	500	900	18	Cut in equal-size pieces and cover with plastic wrap.
• Zucchini	above	475	900	14	Leave whole and cover with plastic wrap. After 14 min., take out the rack.
• Sliced fish	below	400	900	16	Cover with plastic wrap.
• Zucchini	above	475	900	13	Leave whole and cover with plastic wrap. After 13 min., take out the rack.
• Whole fish	below	200	900	14	Cover with plastic wrap.
• Whole fish	above	200	900	14	Cover with plastic wrap.
• Whole fish	below	200	900	14	Cover with plastic wrap.
• Potatoes	above	500	900	16	Cut in equal-size pieces and cover with plastic wrap.
• Goulash	below	1500	900	40	After 16 min., take out the grill. Stir 2 or 3 times.
• Cabbage	above	500	900	14	Leave whole and cover with plastic wrap. After 14 min., take out the rack.
• Rice	below	300	900	20	Cover with plastic wrap and stir 2 times
• Brussels sprouts	above	500	900	14	Cover with plastic wrap. After 14 min., take out the rack.
• Peas	below	500	900	18	Cover with plastic wrap.

CHAPTER 5 – CLEANING AND MAINTENANCE

5.1 CLEANING

Before any cleaning and maintenance are carried out, always disconnect the plug from the power socket and wait for the appliance to cool down.

The internal cavity of your oven is covered with a special enamel to which splashes and food particles do not stick, thus making cleaning particularly simple. Always keep the microwave outlet cover (C) clean and free from grease and splashes of fat.

Do not use abrasive detergents, wire sponges and sharp metal utensils when cleaning the external surface of the oven. Also be careful to ensure that water or liquid detergent does not penetrate the air and steam vent grilles on the top of the appliance.

It is also advisable not to use alcohol, abrasive detergents or ammonia-based detergents to clean the internal and external surfaces of the door.

Always keep the inside of the door clean to ensure that it closes properly, so that dirt and food residues do not become trapped between the door and the front panel of the oven.

Clean the air inlet holes placed on the back of the oven regularly, to avoid them becoming blocked over the course of time by dust and dirt deposits.

It is necessary to remove the turntable (I) and its corresponding support (L) periodically in order to clean them; the bottom of the oven should also be cleaned.

Wash the turntable and its support in soapy water using neutral soap. They can also be washed in a dishwasher.

Do not immerse the turntable in cold water after prolonged heating; the sudden change in temperature would cause it to crack.

The turntable motor is sealed. When cleaning the bottom, you should nevertheless take care to avoid water penetrating under the turntable spindle (D) or leaking from the holes in the bottom of the oven (see figure).

How to clean the pasta cooker accessory.

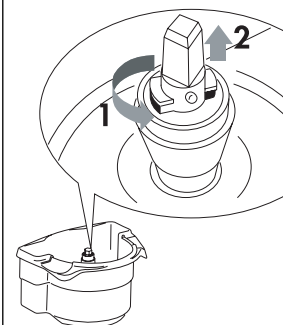
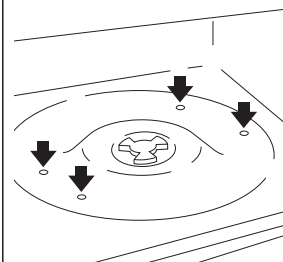
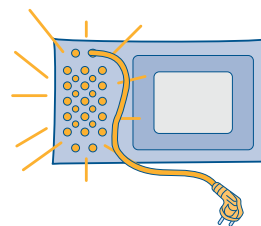
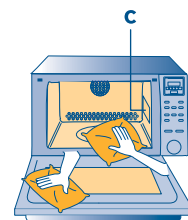
The container (T), cover (N) and mixer (O) can be washed in a dishwasher.

You are recommended to remove the central shaft (P) from the container.

The central shaft (P) is fixed in the container (T). However, it can be removed for cleaning by rotating it until the tongues match the relative holes and pressing lightly downwards.

Make sure the hatch (Q) in the cover (N) is always clean and free to rotate/open. The water drain holes should also be kept clean.

Make sure the accessories are completely dry before repeating the cooking cycle.



chapter 5 – cleaning and maintenance

5.2 MAINTENANCE

If something does not quite work or if a defect materialises, contact the Service Centre authorised by the manufacturer. It is always worth carrying out the following simple checks before calling our technicians:

PROBLEM	CAUSE/SOLUTION
The appliance does not work	<ul style="list-style-type: none"> The door is not closed properly. The plug is not correctly inserted. No power at the socket No power at the socket (check the fuse box)
Condensation on the work surface, inside the oven or around the door.	<ul style="list-style-type: none"> When food is cooked which contains water it is quite normal for the steam which is generated inside the oven to escape and condense inside the oven, on the cooking surface or around the doorframe.
Sparks inside the oven	<ul style="list-style-type: none"> Do not turn the oven on without food for Microwave and Combined cooking modes. Do not use metal containers for the above cooking modes or bags or packets with metal parts.
The food does not heat or cook properly	<ul style="list-style-type: none"> Select the correct cooking mode or reduce the cooking time. The food has not been completely defrosted before being cooked.
The food burns	<ul style="list-style-type: none"> Select the correct cooking mode or reduce the cooking time.
The food does not cook evenly	<ul style="list-style-type: none"> Stir the food during cooking. Remember that food cooks better when cut in evenly-sized pieces. The turntable is blocked.
PASTA mode cannot be set, PASTA is not displayed	<ul style="list-style-type: none"> Make sure the pasta support (M) is correctly inserted in the bottom of the oven and that the pins correspond to the relative holes. The container must be correctly positioned over the pasta support (M).
The pasta has a burnt colour at the end of cooking.	<ul style="list-style-type: none"> Make sure the pasta is completely covered by water at the beginning of cooking.

NOTE: The oven may be used safely even if the light bulb is not working. Contact an authorised Service Centre for bulb replacement.