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TRANSLATION OF ORIGINAL OPERATING AND INSTRUCTION  
MANUAL  
CONDENSATION HOOD

EKKCN 423



**Tecnoeka srl**

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## EU DECLARATION OF CONFORMITY

Annex II A, of Directive 2006/42/EC

Manufacturer's name	TECNOEKA Srl
Manufacturer's address	Via Marco Polo, 11 - 35010 Borgoricco (PD)
Name of the person in charge of the technical file	Imazio Oscar
Address of the person in charge of the technical file	Via Marco Polo, 11 - 35010 Borgoricco (PD)
Product type	Condensation hood
Purpose of the product	Extract/condense cooking steam
Model	EKKCN423
s/n	

TECNOEKA Srl declares that the above mentioned products comply with all provisions pertaining to the following directives:

Machinery directive 2006/42/EC;

Electromagnetic compatibility directive 2014/30/EU

TECNOEKA Srl declares that the above mentioned products comply with the following harmonised standards:

EN 60335-1; EN 60335-2-31

EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3

EN 62233

TECNOEKA Srl declares that the above mentioned products also comply with the following directives:


General product safety directive 2001/95/EC;

Directive restricting the use of hazardous substances in electrical and electronic equipment 2011/65/EU;

Directive on waste electrical and electronic equipment 2012/19/EU.

TECNOEKA Srl declares that the above mentioned products comply with Regulation (EC) 1907/2006

Borgoricco, 20/03/2023.

  
Signature of the Board Representative (Lora Cristina)

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### **ELECTRIC SHOCK HAZARD**

Before performing any cleaning on the appliance, disconnect the power supply (from the safety circuit breaker) and water supply (close the water cock). Let it cool completely.

Any modification to the electrical system that might be required to install the appliance must be carried out by competent personnel only.

The power supply system must be fitted with an effective earthing connection according to the regulations in force.

In the permanent connection to the mains, a protective pole switch must be installed between the appliance and the mains with minimum opening between the contacts of overvoltage category III (4000V), sized for the load and complying with applicable regulations (automatic circuit breaker).

If the power supply cable is damaged, it must be replaced by the manufacturer or their technical support service, or in any case by a person with similar qualifications, to prevent any risk.

The appliance also contains electrical components, for safety reasons it is forbidden to wash it with water or steam jets especially if aimed at the aeration vents on the metal surfaces of its outer casing.

## 1. Technical service

A technical check-up once or twice a year helps extend the appliance's service life and assures better operation. Ensure servicing is carried out only and exclusively by skilled personnel. When ordering spare parts or for any information concerning the appliance always provide the serial number and model (data shown on the "technical data" plate affixed on the side of the appliance).

## 2. General warnings

It is very important to store this instructions booklet with the appliance for future reference.

These warnings have been prepared for your safety and that of others; therefore we kindly ask you to read them carefully before installing and using the appliance.

Upon reception of the goods, if the **packaging** is not intact or is damaged, affix the following wording: **"GOODS SUBJECT TO INSPECTION"**, with the specification of the damage and countersigned by the driver; file a written complaint with the vendor within 4 calendar days (not business days) from the date of delivery, after which no complaints shall be accepted.

The appliance is intended for professional use and must be used by skilled and trained personnel.

It is hazardous to modify or attempt to modify the features of this appliance.

Do not attempt to perform periodic checks or repairs. Contact the nearest Service Centre and only use original spare parts.

The appliance is not intended to be used by children and/or persons with impaired physical, sensory or mental abilities, or who lack experience or knowledge, unless they are supervised by a person responsible for their safety.

The noise level of the appliance in operation is less than 70 dB (A).

The "technical data" plate is located on the side of the appliance.

The inappropriate or incorrect use and failure to comply with installation rules shall invalidate any Manufacturer liability. To this regard, the instructions laid out in the "POSITIONING" paragraph must be strictly complied with.

## 3. Technical features

Dimension (cm) LxDxH	590x906x363
Weight (kg)	21
Max. power input (kW)	0,2
Power supply voltage (V~)	230 (50/60 Hz)
Water pressure (kPa)	100 - 200
Class	I
Power supply cable size	3 x 1.5 mm <sup>2</sup> (3G 1.5 mm <sup>2</sup> )
Cable type	H07RN-F
Power supply cable connection	Type: Y

## 4. Instructions for the installer

The following instructions are intended for the skilled installer to perform installation and maintenance operations in the most correct manner and according to applicable regulations.

Any intervention must be carried out with the appliance electrically disconnected.

Before using the appliance accurately remove the special adhesive film that protects the stainless steel components, without leaving traces of glue on the surfaces; if required, immediately remove them using an appropriate solvent.

### 4.1 Placement

*For hood handling and assembly operations, it is recommended to use suitable protective gloves.*

*When handling the hood, be careful not to damage or break the glass part.*

The hood is built to be used with TECNOEKA ovens (for models requiring it)

The hood must be positioned so that the rear wall is easily accessible to set up electrical, water, drain connections and to carry out any maintenance.

If the hood is placed near walls, partitions, kitchen units etc. it is recommended they should be NON FLAMMABLE. Otherwise they must be covered with non flammable thermal insulation, in accordance with fire prevention regulations.

The hood must not be installed near a fryer.

When installation is complete, any smoke/steam exiting the hood must be conveyed outside.

### 4.2 Preparing the oven

Remove the 3 screws on the front/top of the oven "A", which will then be used to fasten the hood. (Fig. 1). Remove the 3 screws on the rear/top of the oven "B", which will then be used to fasten the hood. (Fig. 2)

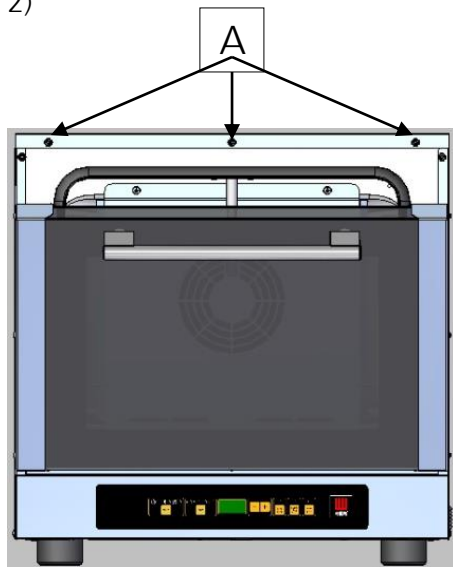


Fig. 1

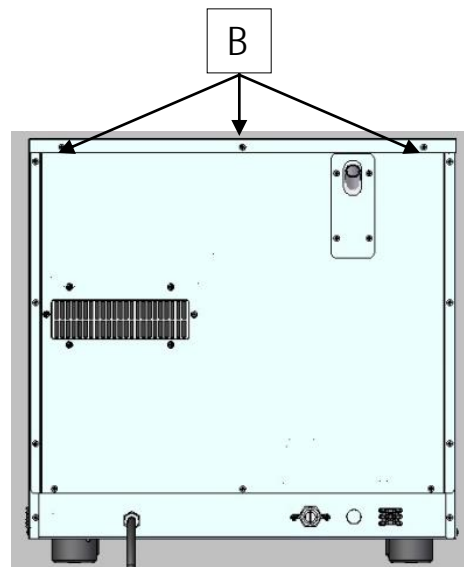


Fig. 2

Use an appropriate tool to open the hole "A" on the oven base in order to have the housing into which to fasten the cable gland supplied. (Fig. 3)

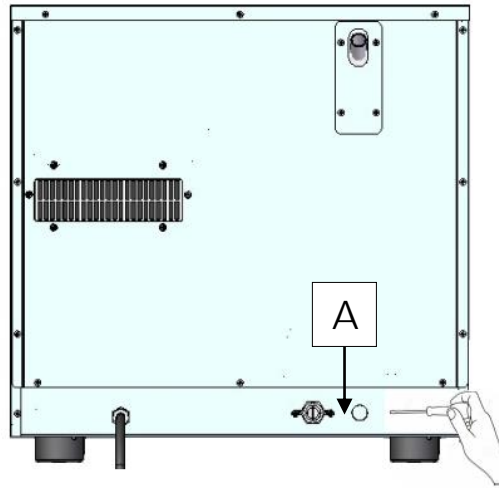


Fig. 3

Remove the back of the oven by unscrewing the self-tapping screws that secure it.

Mount cable clamp 'A' in the hole provided in the oven base and fit the 2 supplied terminal block "B" and "C". (Fig. 4)

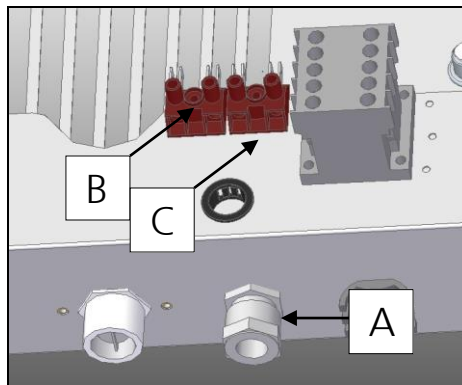


Fig. 4

### 4.3 Preparing the hood

Remove all the material supplied from inside the hood.

Remove the mechanical filter from its housing (front area) in order to prevent it from falling accidentally while handling the hood.

Unscrew the 4 screws (on the upper portion of the hood) inserted in the holes for fastening the hood duct. Fasten the appropriate type of duct (supplied) with the 4 screws previously removed. (Fig. 5)

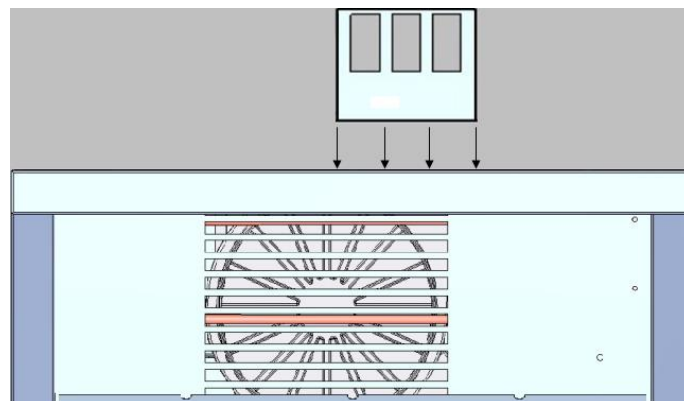


Fig. 5

#### 4.4 Connecting the hood to the oven

*Remove the back of the oven, by unscrewing the screws fixing it.*

Run the cable (4 poles) connecting the hood through the cable gland "A" previously fitted to the rear of the oven, until getting close to the suitable connection terminal board "B" and "C" available in the oven (Fig. 6). Connect the 2 cables (white and blue) dedicated to the cooling motor to the terminal board "B" and connect the cables already connected to the terminal board "B" to the cooling motor. Disconnect the 2 cables (yellow and blue) of the solenoid valve and connect them to the terminal board "C" and connect the cables already connected to the terminal board "C" to the solenoid valve (Fig.6).

##### *Warning*

To make the connection of the cable conductors, observe strictly the color of the wires: each must be connected with that of the same color.

*THE MANUFACTURING COMPANY DISCLAIMS ANY LIABILITY FOR DAMAGE CAUSED TO THE APPLIANCES OWING TO FAILURE TO COMPLY WITH THIS WARNING.*

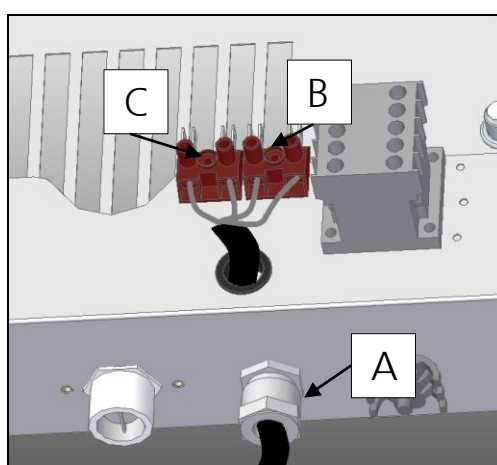


Fig. 6

*Upon completing connection tighten the ring nut of the cable gland.*

*Fit the back of the oven back on using the suitable screws previously removed.*

*Only take out the removable component of the hood back "A", unscrewing the screws fixing it. (Fig. 7)*

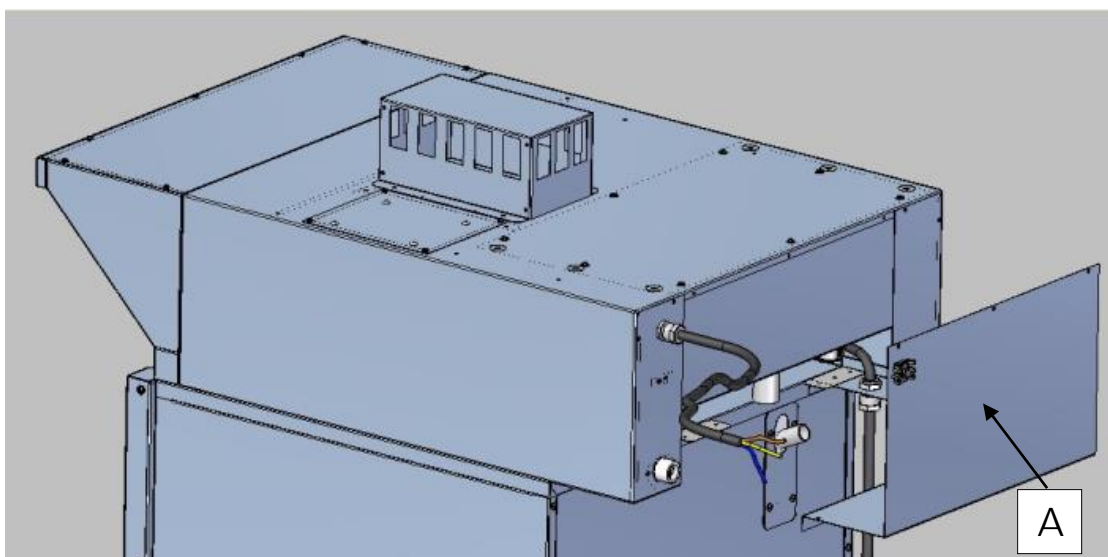


Fig. 7

*Lay the hood with no back onto the oven. Fit the suitable rubber pipe "A" supplied between the smoke/steam exhaust pipe of the oven and the smoke/steam inlet pipe of the hood, and fasten it with the 2 metal straps "B" supplied. (Fig. 8)*

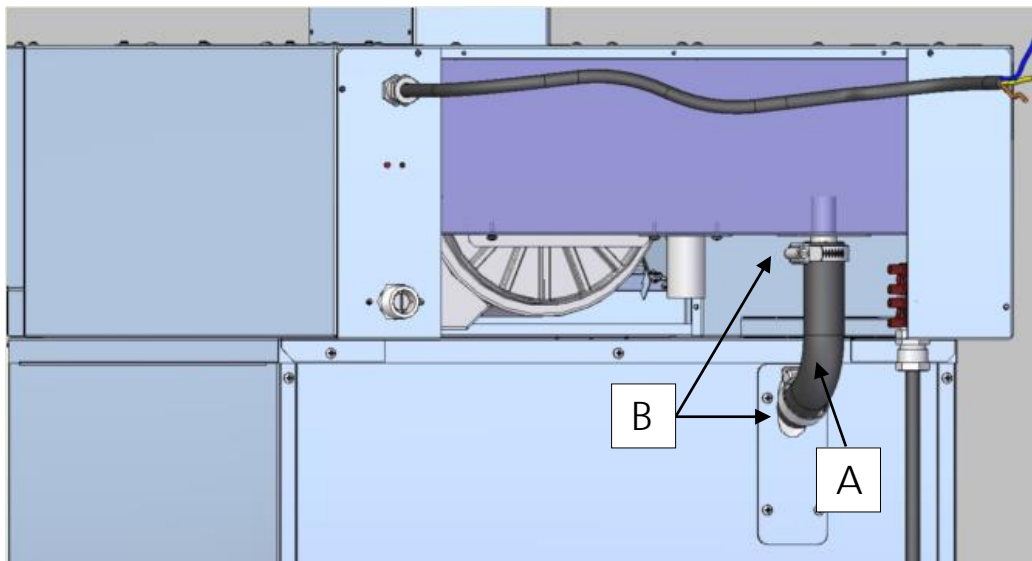


Fig. 8

*The drain pipe "A" located at the rear of the appliance must be connected to a pipe with 30 mm internal diameter (DN 30). Fasten it with the metal strap "B" supplied. The piping may be either rigid or flexible pipe and there must be no "elbows" along the drain path. The drain piping must be conveyed to an open drain or with siphon. In any case, for reasons of compliance with health regulations in force, the piping connected to the drain pipe of the appliance must not be in direct contact with the drain point. (Fig. 9)*

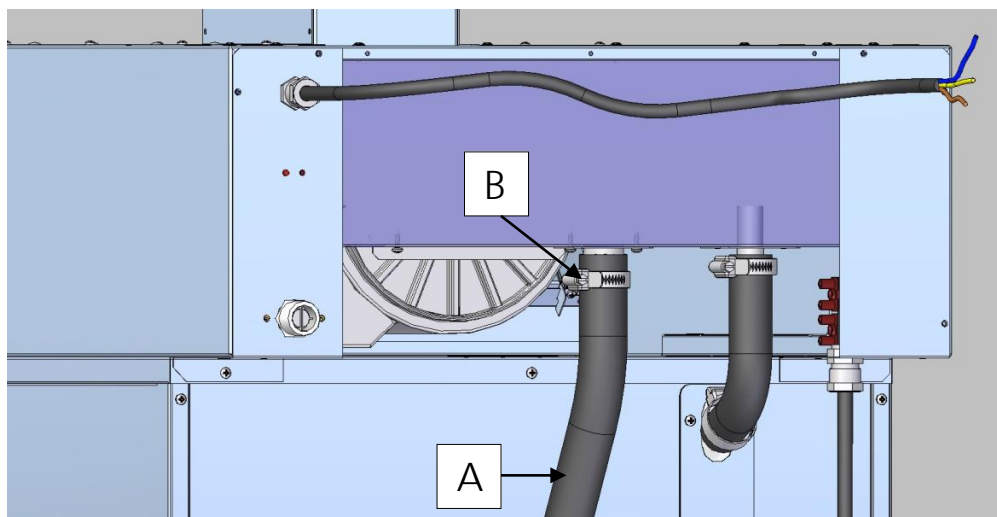


Fig. 9

*Fit the back of the hood and fasten it with the screws previously removed.*

*Fasten the front of the hood onto the front of the oven using the 3 screws previously removed from the oven.*

*Fasten the back of the hood onto the back of the oven using the 3 screws previously removed from the oven.*

*Correctly fit the previously removed mechanical filter "A" of the hood back into its housing. (Fig. 10)*



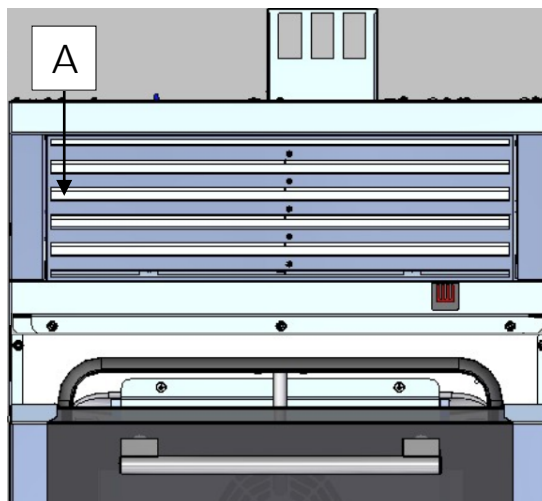


Fig. 10

#### 4.9 Hood connection to the power supply mains

The connection to the power mains must be set up according to regulations in force. Before setting up the connection ensure that:

the voltage and frequency of the power supply system match the specifications of the "technical data" plate affixed to the appliance;

the limiting valve and the system are able to withstand the appliance's load (see "technical data" plate);

**the power supply system is fitted with effective earthing connection according to the regulations in force;**


the pole switch used for the connection is easily accessible when the appliance is installed;

in the permanent connection to the mains, a protective pole switch must be set up between the appliance and the mains with minimum opening between contacts of overvoltage category III (4000V), sized for the load and complying with applicable regulations;

the yellow/green earthing cable is not interrupted by the switch;

when the appliance is running, the power supply voltage does not deviate from the nominal voltage value by  $\pm 10\%$ .

**If the power supply cable is damaged, it must be replaced by the manufacturer or their technical support service, or in any case by a person with similar qualifications, to prevent any risk.**

To connect the hood to the electrical grid, just insert the plug of the power supply cable into the relative electrical socket (230V~ 50/60 Hz). Cable replacements must only be carried out by authorised personnel. The appliance must be connected to the network's equipotential system. This connection must be set up through the relative terminal marked with . The equipotential conductor must have a minimum size of 2.5mm<sup>2</sup>. The equipotential terminal is at the rear of the appliance.

#### 4.10 Hood connection to the water mains

The appliance must be supplied with drinking water at a pressure between 100 and 200 kPa (1.0-2.0 bar). The appliance is equipped with flexible hose (1.5 metres) with threaded  $\frac{3}{4}$ " female fittings and relative gaskets. The old joints must not be re-used.

The connection to the water mains must be set up through the  $\frac{3}{4}$ " threaded solenoid valve located at the rear of the appliance, using the supplied flexible pipe, with a mechanical filter and stopcock installed in between (before connecting the filter, drain off a certain amount of water to flush any dirt out of the pipe).

## 5. Operating instructions

The appliance shall only be used for the purpose it was designed for, any other use is considered improper. The hood has been designed to extract the smoke/steam coming out of the exhaust duct of the oven and to extract the smoke/steam that escapes when the oven door is opened. Before switching on the hood ensure there is no paper and/or packaging residues such as bags, polystyrene or other inside it.

When the installation operations are finished, **to activate the hood, just switch on the oven it is connected to.**

Hood operation is fully automatic.

- During the oven cooking cycle, the hood extraction motor runs at low speed, extracting the smoke/steam released by the oven exhaust duct.
- Whenever the door of the oven is opened, the hood's suction motor switches to high speed to quickly extract any smoke/steam that might escape when the cooking chamber is opened. If, at the end of the cooking cycle, the cycle is not reactivated, after 5 minutes of operation the hood is automatically disabled.
- The presence of steam escaping through the oven exhaust duct automatically actuates the hood's "condensation system".

### Warning

*Ensure the hood is always correctly powered with mains voltage (230 V 50/60 Hz). If a proper electrical power supply is missing, the hood does not work even if the oven it is connected to is on: danger of damaging the hood's internal electrical components!*

THE MANUFACTURING COMPANY DISCLAIMS ANY LIABILITY FOR DIRECT OR INDIRECT DAMAGE CAUSED TO THE HOOD DUE TO FAILURE TO COMPLY WITH THIS WARNING.

## 6. Residual risks

The appliance is fitted with electrical parts and must never be washed with water or steam spray.

The appliance is electrically connected: **disconnect the power supply before performing any type of cleaning.**

Part of the appliance is made of glass: during handling operations, be careful not to break or damage it.

The appliance is provided with forced ventilation discharge: during operation, do not obstruct the exhaust opening in any way to prevent damage.

## 7. Cleaning and routine maintenance

Cleaning must be constantly performed in order to assure a prolonged service life of the hood; in particular **the mechanical extraction filter must always be kept properly clean** in order to assure top hood performance. The filter is fastened with 4 snap clips: it can be removed by pulling it forcefully on both sides. To put it back into its housing correctly after having placed the 4 clips, duly press on the two sides until it is completely locked into place. The hood must be cleaned with a cloth or sponge soaked in warm water and neutral detergent. Do not use abrasive products, scouring pads, steel wool or acids, which might damage it. Do not clean steel with products containing chlorine, even if diluted: use specific products on the market or a little hot vinegar. Rinse well with water and dry with a soft cloth.

## 8. Technical support

Before leaving the factory this appliance was calibrated and tested by experienced and skilled personnel in order to obtain the best operation results.

Every repair or calibration that may be required must be done with the utmost care and attention, complying with applicable national safety regulations. We always recommend contacting the dealer who sold you the appliance or the nearest Service Centre, specifying the problem, the appliance model and its serial number (see "technical data" plate located on the left side).

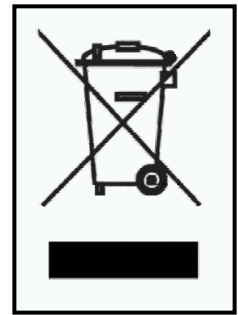
For servicing needs, the user may contact Tecnoeka at the numbers shown on the cover, or refer to the website [www.tecnoeka.com](http://www.tecnoeka.com).

## 9. Information to users

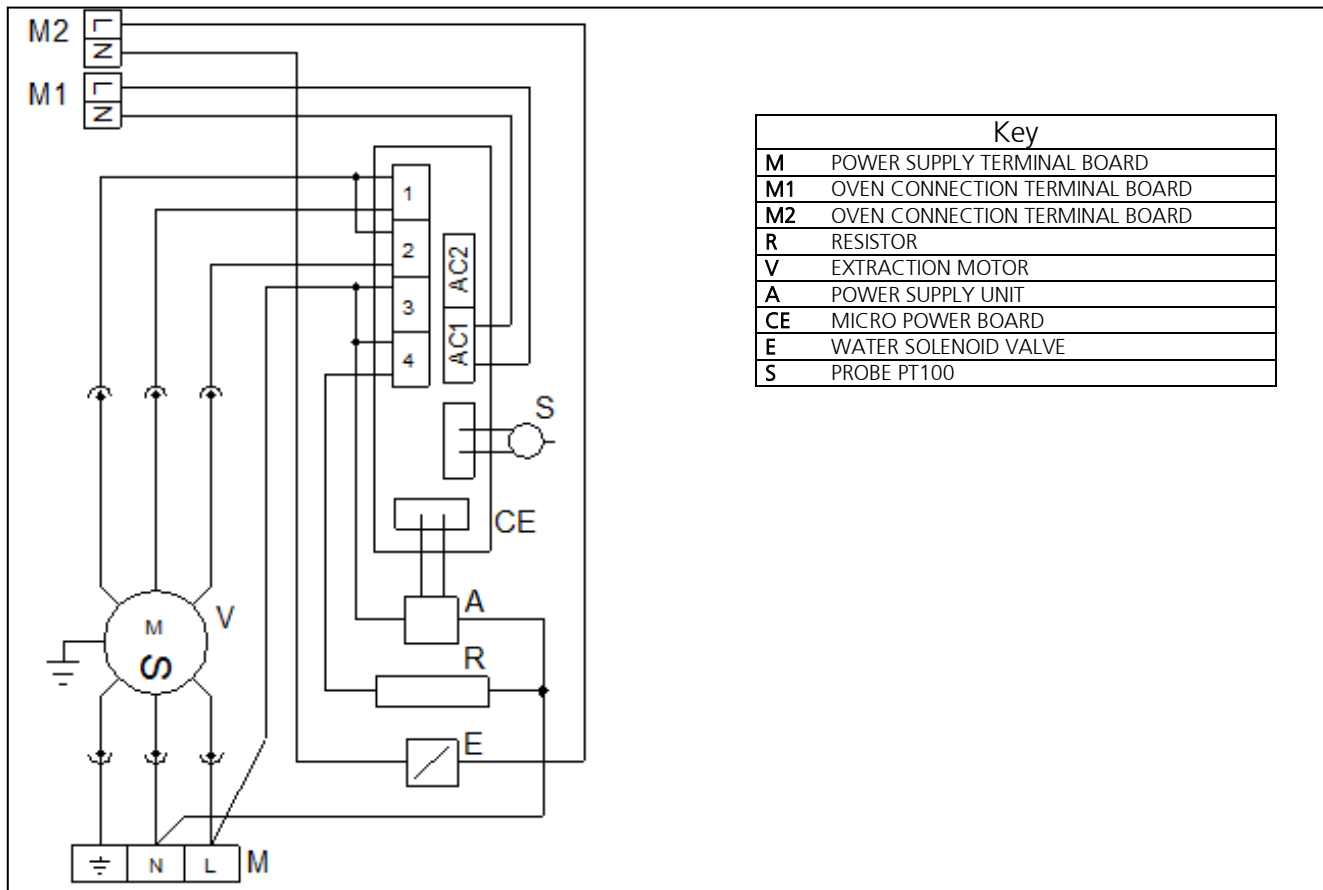
Pursuant to Directive 2012/19/EU the crossed out wheellie bin symbol on the appliance indicates that the product must be collected separately from other waste at the end of its service life.

At the end of the appliance's service life, the user must, therefore, deliver it to the appropriate centres for the separate collection of electrical and electronic waste.

The separate waste collection and subsequent treatment, recovery and disposal, are conducive to the production of equipment with recycled materials and reduce the negative effects on the environment and health possibly caused by improper waste handling. Illegal disposal of the product by the user entails the application of administrative penalties.



## 10. Wiring diagram



Key	
M	POWER SUPPLY TERMINAL BOARD
M1	OVEN CONNECTION TERMINAL BOARD
M2	OVEN CONNECTION TERMINAL BOARD
R	RESISTOR
V	EXTRACTION MOTOR
A	POWER SUPPLY UNIT
CE	MICRO POWER BOARD
E	WATER SOLENOID VALVE
S	PROBE PT100

## 11. Conventional warranty

The Tecnoeka product is designed for food use only and is covered by warranty according to law (art. 1490 and subsequent of the Italian civil code) for Professional Customers, namely customers who purchase from the Dealer with VAT number. The Tecnoeka product is professional and certified according to IEC EN 60335-1 and can only be sold to professional users.

With the exclusion of any additional warranty, the Vendor agrees to repair, at its sole discretion, only those parts of the products that prove to be tainted by an original fault as long as, subject to forfeiture, the customer has reported the fault within 12 months from the date of purchase and reported the defect within 8 days from the date of discovery, in writing, attaching a copy of the invoice, receipt or tax receipt as proof of purchase.

Including the event in which the customer is unable to produce the invoice, receipt or tax receipt as proof of purchase, meaning that the terms outlined above are not complied with, the warranty is expressly forfeited in the following cases:

1. Faults or breakdowns of components caused by transport.
2. Damage deriving from inadequate electrical, hydraulic and gas supply systems compared to that provided in the installation manual, or anomalous operation of these systems.
3. Damage deriving from incorrect product installation, or installation not carried out in accordance with the installation manual and, in particular, damage due to the inadequacy of the flues and drains that the product is connected to.

4. Using the product for purposes other than its intended use, as specified and resulting from the technical documentation issued by Tecnoeka.
5. Damage due to using the Product in a manner that is not in accordance with the instructions in the use and maintenance manual.
6. Tampering with the product.
7. Product adjustment, maintenance and repair activities carried out by unqualified personnel.
8. The use of non-original spare parts or not authorised by Tecnoeka.
9. Damage or defects caused by negligent and/or imprudent use of the product, or in contrast with the instructions set forth in the use and maintenance manual.
10. Damage caused by fire or other natural events and, in any case, by unforeseeable circumstances or any other cause beyond the manufacturer's control.
11. Damage to components subject to normal wear that require periodic replacement.

Also excluded from the warranty: painted or enamelled parts, knobs, handles, mobile or removable plastic parts, light bulbs, glass parts, gaskets, electronic parts and any accessory parts, transport fees from the consumer, end user and/or buyer's location to Tecnoeka srl, and vice versa. Replacement costs of the oven and relative installation expenses are also excluded from the warranty. The warranty does not cover Products purchased as used or from third parties who are not connected to or authorised by Tecnoeka.

TECNOEKA SRL shall not be held liable for damage, either direct or indirect, caused by a product fault or as the result of the forced suspension of operation.

Repairs under warranty do not result in the extension or renewal of coverage.

Components replaced under warranty are, in turn, covered by a 6-month warranty from the shipping date, certified by the transport document issued by Tecnoeka.

No one is authorised to change the warranty terms and conditions or to issue others, neither verbal nor written.

## **12. Availability and supply of spare parts:**

Tecnoeka srl keeps and ensures the availability of spare parts for a maximum of 24 months from the date of sale of the finished product to the dealer. Availability cannot be guaranteed after said period.

## **13. Applicable law and competent Court**

Supply relationships will be governed by Italian law, with the express exclusion of the private international law standards and the Vienna Convention on Contracts for the International Sale of Goods of 11.4.1980. Any dispute will be settled exclusively by the Court of Padua.

Without prior notice and liability for Tecnoeka Srl, the products presented in the manual may be subject to technical and design changes for the purposes of improvement, without affecting the essential features of function and safety. Tecnoeka Srl shall not be held liable for any inaccuracy due to printing or clerical errors affecting instruments, and in the technical and commercial description of its products to customers.





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