

ORIGINAL USER MANUAL AND INSTRUCTIONS
CONDENSATION HOOD
EKKCN 4



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EU DECLARATION OF CONFORMITY

Annex II A, of Directive 2006/42/EC

Manufacturer name	TECNOEKA Srl
Manufacturer's address	Via Marco Polo, 11 - 35010 Borgoricco (PD)
Name of the person responsible for the technical file	Imazio Oscar
Address of the person responsible for the technical file	Via Marco Polo, 11 - 35010 Borgoricco (PD)
Product type	Condensation hood
Product purpose	Extracting/condensing cooking vapours
Model	EKKCN 4
s/n	

TECNOEKA Srl declares that the above mentioned products comply with all relevant provisions of 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 on the restriction of the use of hazardous substances in electrical and electronic equipment 2011/65/EU;

Waste Electrical and Electronic Equipment Directive 2012/19/EU.

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

TECNOEKA Srl declares that the above products comply with the Regulation (EC) 1935/2004

Borgoricco, 20/03/2023.


CDA Representative Signature (Lora Cristina)

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ELECTRIC SHOCK HAZARD

Before carrying out any cleaning work on the appliance, cut off the power supply (turn off the thermomagnetic safety switch) and the water supply (turn off the water tap). Allow it to cool down completely.

Any changes that may be necessary to the electrical system in order to install the appliance must only be carried out by competent personnel.

The electrical supply system must be equipped with an effective earth connection in accordance with current standards.

In the permanent connection to the mains, an all-pole circuit breaker with a minimum contact opening of overvoltage category III (4000V), sized to the load and complying with the regulations in force (automatic circuit breaker) must be interposed between the appliance and the mains.

If the power supply cable is damaged, it must be replaced by the manufacturer or its technical service department, or a similarly qualified person, in order to prevent any risk.

The appliance also has electrical components inside, for safety reasons it is forbidden to wash it with jets of water or steam, especially if they are directed towards the ventilation openings on the metal surfaces of its outer casing.

1. Technical service

A technical check-up once or twice a year contributes to extending the appliance's life and assures better operation. Ensure servicing is carried out only and exclusively by skilled personnel. For any orders of spare parts or any information concerning the appliance always mention 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 that this instruction manual is kept with the appliance for future reference.

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

If, on receipt of the goods, the packaging is not intact or is damaged, affix the following wording: "RESERVE TO CHECK GOODS", specifying the damage and countersignature of the driver; within 4 calendar days (non-working days) from the date of delivery make a written complaint to the seller, after which no complaints will be accepted.

The device is intended for professional use and must be operated by qualified personnel trained in its use.

It is dangerous to modify or attempt to modify the characteristics of this appliance.

Do not attempt to carry out periodic checks or repairs. Contact your nearest Service Centre and use only original spare parts.

The appliance is not intended for use by children and/or persons with reduced physical, sensory or mental capabilities, or lack of 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..

Improper or incorrect use and failure to comply with the installation regulations will result in the manufacturer's liability being forfeited. In this respect, the guidelines in the "POSITIONING" paragraph must be strictly followed.

3. Technical specifications

Dimensions (cm) LxPxH	784x907x356
Weight (kg)	25
Max. power input (kW)	0,2
Supply voltage (V~)	230 (50/60 Hz)
Water pressure (kPa)	100 - 200
Class	I
Power cable section	3 x 1,5 mm ² (3G 1,5 mm ²)
Cable type	H07RN-F
Power cable connection	Type : Y

4. Instructions for the installer

The following instructions are intended for the qualified installer to carry out installation and maintenance work in the most correct manner and in accordance with the regulations in force.

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

Before using the appliance, carefully remove the special adhesive film that protects the stainless steel parts, avoiding leaving glue residues on the surfaces; if necessary, remove them immediately using an appropriate solvent.

4.1 Positioning

The use of suitable protective gloves is recommended when handling and assembling the hood.

When handling the hood, take particular care not to damage or break the glass part.

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

The hood must be positioned so that the rear wall is easily accessible for electrical, water and drainage connections and to allow for any maintenance.

If the hood is positioned near walls, partitions, kitchen furniture, etc., it is recommended that these are made of NON FLAMMABLE material. If this is not the case, they must be covered with non-flammable thermal insulation material, pay attention to fire prevention regulations.

The hood must not be installed in the vicinity of a fryer.

After installation, any possible fumes/vapours escaping from the hood must be directed outwards.

4.2 Oven preparation

Open the kiln door and remove the self-tapping screws on the front of the firing chamber, which are then used to attach the hood.

Remove the self-tapping screws on the rear/top of the kiln, which will later be used to attach the hood.

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

Using an appropriate tool, open the hole in the base of the furnace (*Fig. 1*) in order to have a seat into which the cable clamp supplied with the furnace head can be mounted.

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

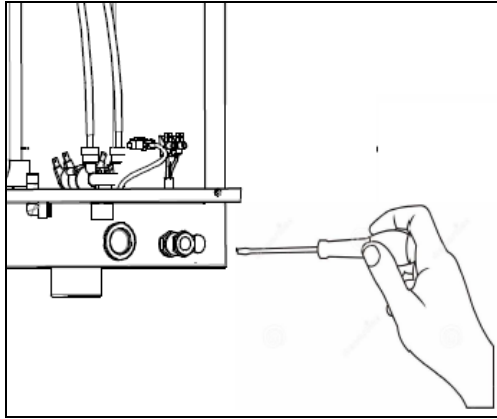


Fig. 1

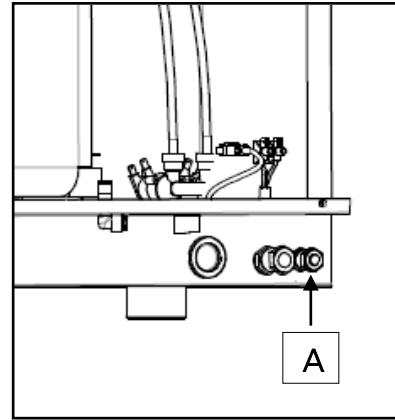


Fig. 2

4.3 Setting up the hood

Remove all material from inside the hood.

Unscrew the 4 self-tapping screws (on the upper part of the hood) on the holes used to fasten the hood chimney. Fix the appropriate type of chimney provided, using the 4 self-tapping screws removed earlier (*Fig. 3*).

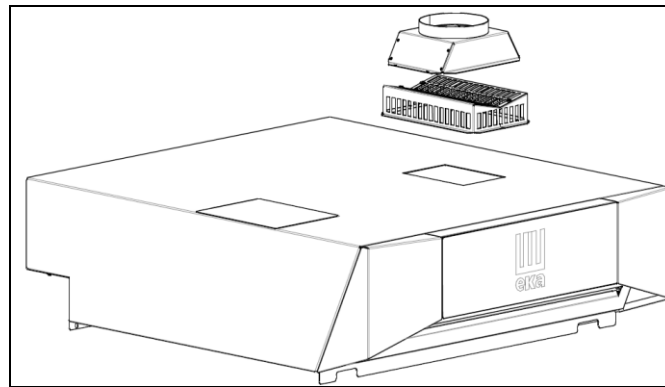


Fig. 3

Remove only removable part 'A' of the rear wall of the hood by loosening the 8 self-tapping screws that secure it (*Fig. 4*).

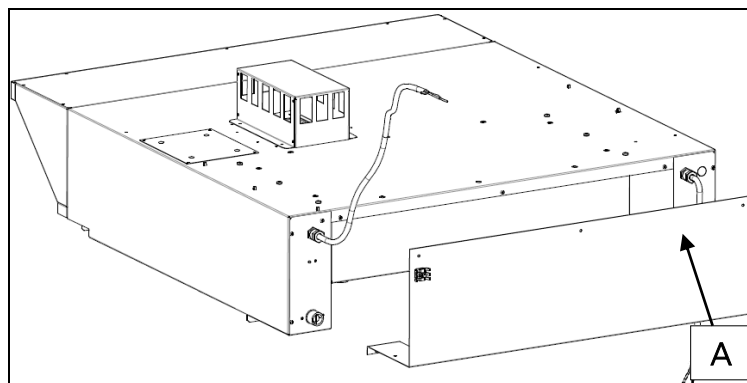


Fig. 4

4.4 Connecting the hood to the oven

Place the hood over the oven.

4.4.1 Connecting the hood to the steam outlet of the oven

Fit the rubber hose "A" supplied between the smoke/vapour exhaust pipe of the oven and the smoke/vapour inlet pipe of the hood, and secure it using the 2 metal clamps "B" supplied (*Fig. 5*).

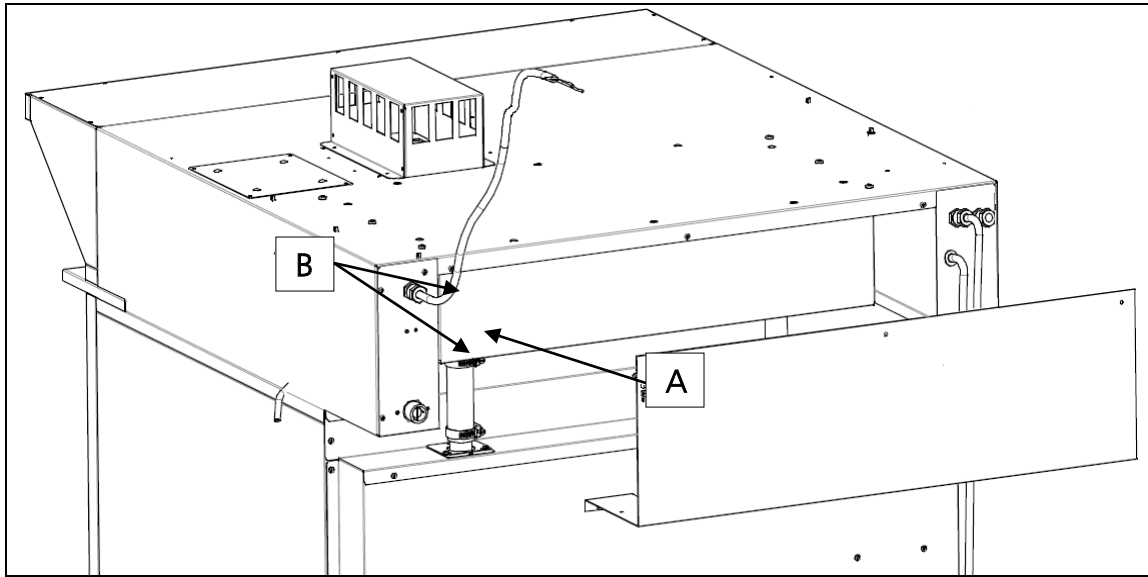


Fig.5

Important

Rubber hoses and metal clamps are supplied with the hood

Fasten the rear part of the hood with the rear part of the oven using the 4 self-tapping screws previously removed from the oven.

4.4.2 Electric connection

Pass the cable (2-pole) connecting the hood through the cable clamp "A" previously mounted on the rear of the oven to the connection terminal "B" available in the oven (**Fig. 6**). Connect the 2 cables 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.

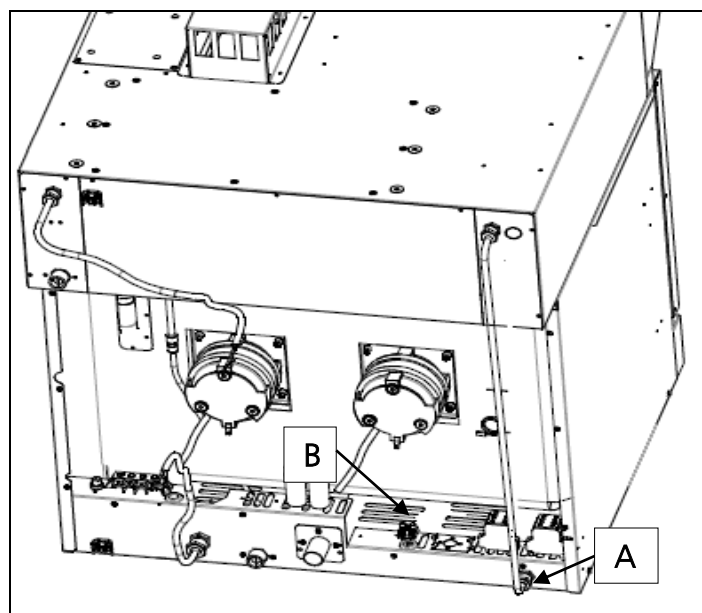


Fig.6

Important

*Next to the terminal board there is a plate that identifies the type of power supply to the hood.
The length of the connection cable of the hood must be adapted to the type of oven to which the hood is connected.*

Connect the connection cable of the hood to the terminal board of the oven, observing the electrical polarity: the brown wire is connected to terminal "L" of the terminal board, the blue wire is connected to terminal "N" of the terminal board. (Fig. 6)

Warnings

After having connected the hood cable, make sure that it cannot obstruct normal assembly/disassembly (maintenance) of the back of the oven.

During the operation of installation of the oven back, make sure that the power cables of the cooling motor are not damaged.

When the connection is complete, tighten the ring nut of the cable clamp.

4.5 Connecting the hood to 2 superposed ovens

Use an appropriate tool to open the hole on the back (fixed part) of the hood in order to have the housing where you can fasten the second cable gland supplied (Fig.7).

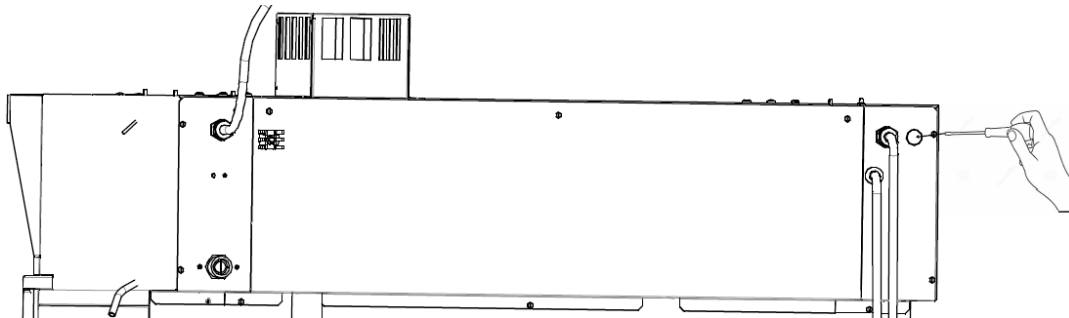


Fig. 7

Run the cable (2 poles) supplied through the cable gland "A" fitted, until you get close to the second connection terminal board (2 poles) in the hood.

Connect the cable to the terminal board of the hood by following the electrical polarities: the brown conductor must be connected to terminal "**L**" of the terminal board, while the blue conductor must be connected to terminal "**N**" of the terminal board (Fig. 8 Part A).

Important

To make operations to connect the second connection cable to the hood easier, place it on a table or another surface with the motor facing up.

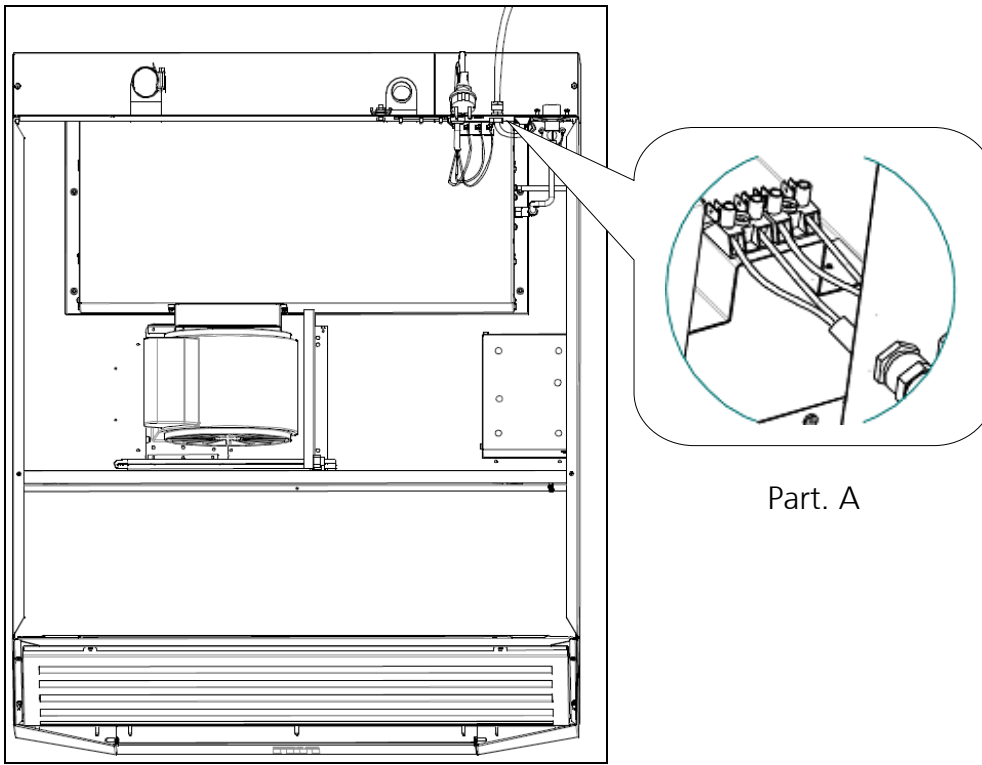


Fig.8

When the connection is complete, tighten the ring nut of the cable gland.

Superpose the two ovens using the suitable Tecnoeka kit (EKKM 4 – EKKM 6) and by carefully following the assembly instructions set out in the relevant manual.

Warning

The ovens cannot be stacked without using the relative "STACKING KIT"

THE MANUFACTURING COMPANY SHALL NOT BE HELD LIABLE FOR DIRECT OR INDIRECT DAMAGE CAUSED TO THE HOOD DUE TO FAILURE TO COMPLY WITH THIS WARNING.

Place the hood with no back on the upper oven.

4.6 Connecting the "Drains"

Using an appropriate tool, remove the pre-glued surface of the hood's back, which is near the smoke/vapour inlet pipe.

Fit the supplied adapter "A" between the smoke/vapour exhaust pipe of the upper oven and the smoke/vapour inlet pipe of the hood using the 2 supplied rubber hoses "B". Fit the supplied rubber hose "C" between adapter "A" and the lower oven's smoke/vapour exhaust pipe. Secure everything using the 6 metal clamps supplied (Fig.9)

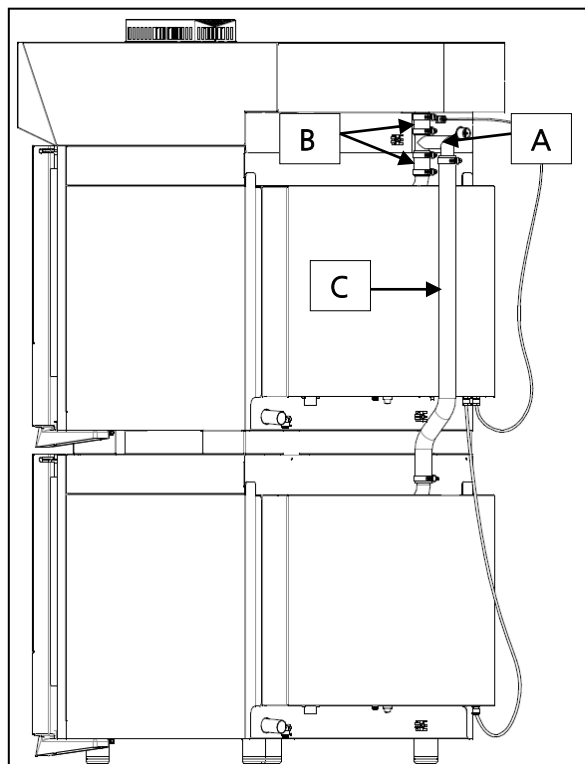


Fig.9

Important

*The length of the rubber hose "C" must be adapted to the type of the 2 superimposed kilns
Reassemble the back of the furnace head and fasten it with the self-tapping screws removed earlier.*

Secure the front of the hood with the front of the upper furnace using the 2 self-tapping screws previously removed from the furnace.

4.7 Electrical connection

Pass the first (2-pole) connection cable "A" of the hood through the cable clamp "B" at the rear of the upper kiln to the (2-pole) connection terminal "C" available in the kiln (Fig. 10). Connect the 2 cables 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.

Pass the second (2-pole) connection cable "D" of the hood through the cable clamp "E" at the rear of the lower kiln to the (2-pole) connection terminal "F" available in the kiln (Fig. 10). Connect the 2 cables 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.

Important

The length of the 2 connection cables of the hood must be adapted to the type of the 2 superimposed ovens to which it is connected.

Connect the two hood cables to the terminal blocks of the two ovens respecting the electrical polarity: the brown wire is connected to terminal block "L" and the blue wire to terminal block "N". (Fig. 9).

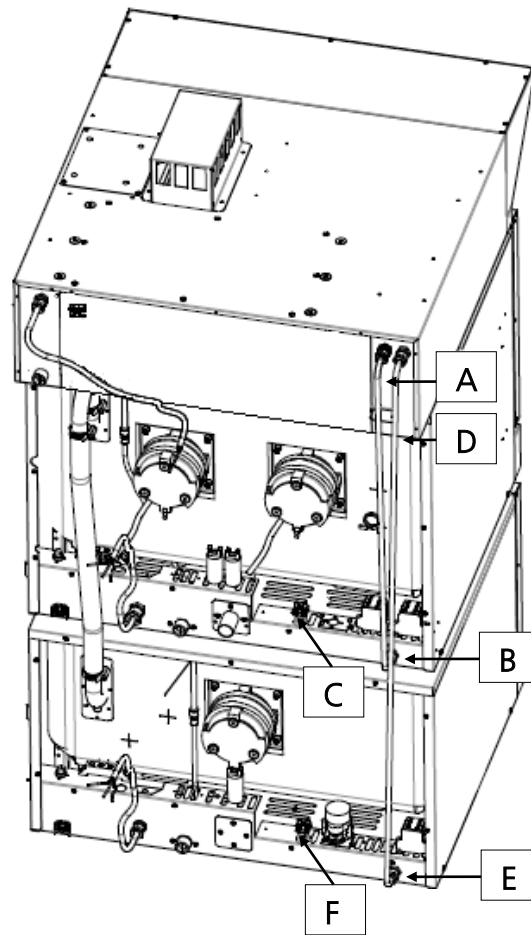


Fig. 9

Warning

After connecting the hood cables, ensure that they cannot obstruct normal assembly/disassembly (maintenance) of the backs of the two ovens.

When the connection is complete, tighten the ring nut of the two cable clamps.

4.8 Hood connection to the mains supply

The connection to the mains supply must be made in accordance with current regulations. Before making the connection, ensure that:

- the voltage and frequency of the power supply system correspond to the specifications on the "rating plate" attached to the appliance;

- the limiting valve and the system can support the load of the appliance (see "Technical Data" plate);

the power supply system is equipped with an effective earthing connection in accordance with applicable standards;

- the omnipolar switch used for the connection is easily accessible with the appliance installed;

- in the case of direct connection to the mains, an omnipolar circuit-breaker with a minimum contact opening of overvoltage category III (4000V), sized for the load and complying with the standards in force, is installed between the appliance and the mains;

- the yellow/green earth cable is not interrupted by the switch;

- the supply voltage, when the device is in operation, does not deviate from the nominal voltage value by $\pm 10\%$.

If the power cable is damaged, it must be replaced by the manufacturer or its technical service department, or a similarly qualified person, in order to prevent any risk.

To connect the hood to the mains, simply insert the plug of the power cable into the power socket (230V~ 50/60 Hz). Any replacement of the cable must only be carried out by authorised personnel. The appliance must be connected to the mains equipotential system. This connection must be made via the appropriate terminal which is marked with the symbol. The equipotential bonding conductor must have a minimum cross-section of 2.5 mm². The equipotential terminal is located at the rear of the device.

4.9 Water discharge

At the rear of the appliance is the drain pipe "A" (Fig. 10) to which a pipe with a diameter of 30 mm (DN 30) must be connected. The pipe can be either of the rigid or flexible type and must not have any "elbow" bends along the drainage path. The drainage pipe must be conveyed to an open or siphoned drain. In any case, for reasons of compliance with hygiene regulations in force, the pipe connected to the appliance drain must not come into direct contact with the point of discharge.

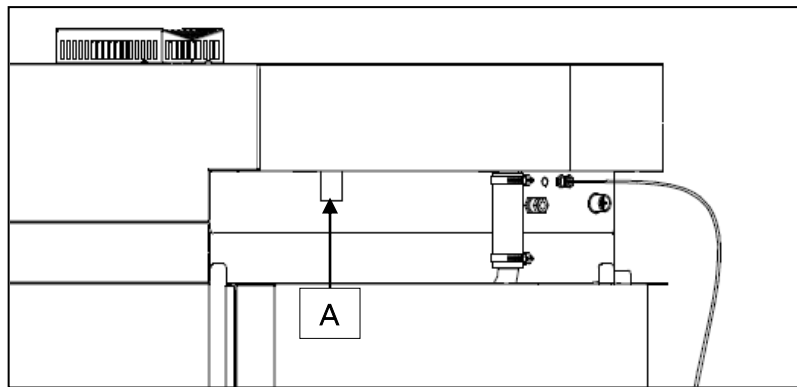


Fig. 10

5. Instructions for use

The appliance must only be used for the purpose for which it was designed, any other use is considered improper. The hood is designed to draw in the fumes/vapours coming out of the kiln exhaust chimney and to draw in the fumes/vapours coming out when the kiln door is opened. Before putting the furnace head into operation, make sure that there are no paper materials and/or packaging remnants such as bags, polystyrene or other inside.

Once installation operations have been completed, **to activate the hood, simply turn on the oven to which it is connected.**

The oven hood works in fully automatic mode.

- During the firing cycle of the kiln, the extraction motor of the hood is activated at low speed, sucking in the fumes/vapours coming out of the kiln exhaust chimney.
- Whenever the kiln door is opened, the hood extraction motor is activated at high speed, quickly sucking in any smoke/vapours that may escape from the firing chamber. At the end of the firing cycle, if the cycle is not reactivated, the hood is automatically deactivated after 5 minutes of operation.
- The presence of steam coming out of the kiln's exhaust chimney automatically activates the hood's "condensation system".

Warning

Check that the hood is always correctly supplied with mains voltage (230 V 50/60 Hz). If the correct power supply is missing, the hood will not function even if the furnace to which it is connected is active: danger of damaging the hood's internal electrical components!

THE MANUFACTURER ACCEPTS NO LIABILITY FOR DAMAGES, DIRECT OR INDIRECT, CAUSED BY FAILURE TO COMPLY WITH THIS WARNING.

6. Residual risks

The appliance has electrical parts and must never be cleaned with water or steam jet.

The appliance is electrically connected: cut off the power supply before carrying out any cleaning.

The appliance also has a glass part: take care not to break or damage it when handling it.

The appliance has an exhaust with forced ventilation: during operation, do not obstruct the exhaust opening in any way to avoid possible damage.

7. Cleaning and routine maintenance

Cleaning must be carried out constantly in order to ensure the hood's long service life; in particular, the mechanical suction filter must always be kept well cleaned in order to ensure maximum hood performance. The filter can be removed by pulling it from the bottom and releasing it from the upper seats. To put it back in place correctly, operate in the reverse order. The hood must be cleaned with a cloth or sponge soaked in lukewarm water and neutral soap. Do not use abrasive products, steel wool or acids, which could ruin it. For cleaning steel, do not use products containing chlorine, even if diluted: use specific products on the market or a little warm vinegar. Rinse well with water and dry with a soft cloth.

8. Technical assistance

Before leaving the factory, this appliance was fine-tuned and tested by experienced and specialised personnel in order to obtain the best operating results.

Any repairs or adjustments that may be necessary must be carried out with the utmost care and attention and in accordance with the national safety regulations in force. We recommend that you always contact the selling dealer or our nearest Service Centre, specifying the type of problem, the model of the appliance and its serial number (see the "technical data" plate on the left side).

If you need assistance, you can contact Tecnoeka at the numbers shown on the cover, by consulting the website www.tecnoeka.com.

9. Information to users

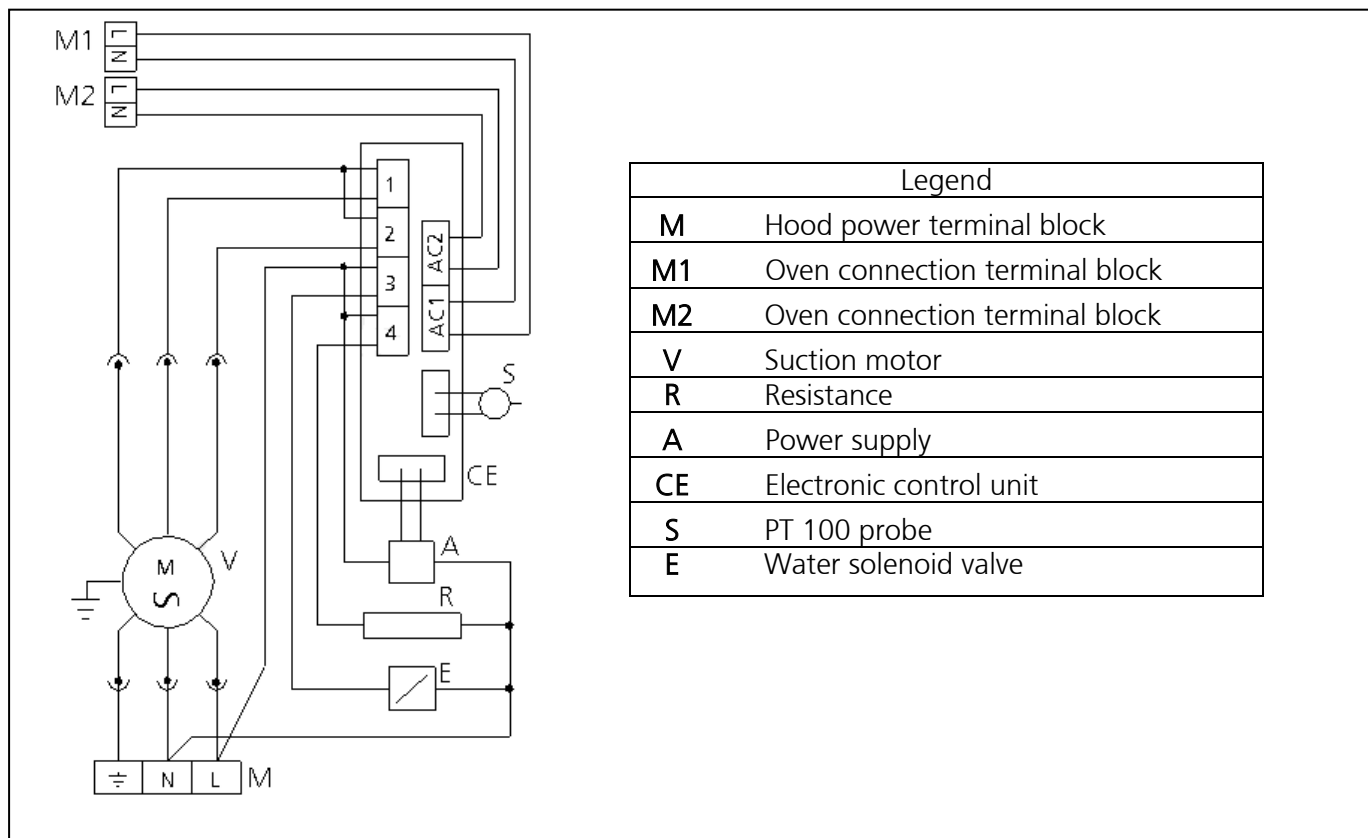
Pursuant to Directive 2012/19/EU, the crossed-out wheeled bin symbol on the equipment indicates that the product at the end of its useful life must be collected separately from other waste.

The user must therefore take the end-of-life equipment to the appropriate separate collection centres for electrical and electronic waste.

Separate collection of waste and subsequent treatment, recovery and disposal operations promote the production of equipment with recycled materials and limit the negative effects on the environment and health that may be caused by improper waste management. Illegal disposal of the product by the user entails the application of administrative sanctions



10. Circuit diagram



11. Established warranty

Tecnoeka's products are exclusively designed for food use and are covered by warranty complying with Laws Regulation article n. 1490 and following) for professional users such as VAT holder customers purchasing from Distributor.

Tecnoeka's products are professional and certified according to the IEC 60335-1 standards and can only be sold to professional users.

With the exclusion of any additional warranty, the Seller will repair, at its sole discretion, only those parts of its products which prove vitiated by an original defect provided that, subject to revocation, the customer has reported the defect within 12 months from 'purchase and reported the defect within 8 (eight) days of the discovery, in writing enclosing a copy of the invoice, receipt or sales receipt proving the purchase.

As well as in the event that the customer is not able to produce the invoice, receipt or sales receipt proving the purchase or are not respected the terms outlined above, the guarantee is expressly excluded in the following cases:

- 1) Any failure or breakage of components caused by transport.
- 2) Damage caused by inadequate electrical, plumbing and gas installation than provided in the installation manual, or by an abnormal function of the same.
- 3) Damage resulting from incorrect installation of the product, or installation not in accordance with the requirements in the installation manual, and in particular damage due to failure of the chimneys and the discharges which this product is connected.
- 4) Product use for purposes other than those it is intended for, as specified and resulting from the technical documentation released by Tecnoeka.
- 5) Damage caused by use of the Product not in accordance with instructions contained in the user and maintenance manual.
- 6) Product tampering.
- 7) Adjustment Operations, maintenance and repair of the product performed by unqualified personnel.
- 8) Use of non-original or not authorized parts by Tecnoeka.

9) Damage or defect caused by negligent and / or reckless of the product, or in contrast with the instructions prescribed by the instruction and maintenance manual.

10) Damage caused by a fire or other natural events and in any case any damage by accident or addicted to any cause not dependent on the manufacturer.

11) Damage to parts subject to normal wear that need to be replaced periodically.

Also excluded from the guarantee: the painted or enameled parts, knobs, handles, mobile or removable plastic parts, light bulbs, glass parts, seals, electronic parts, and all the possible accessories, transport costs from the based consumer, the end user and / or purchaser to the seat of Tecnoeka Ltd. and vice versa. The warranty doesn't include also the oven's replacement costs and the related installation costs. The warranty excludes products purchased as used or purchased from third parties not connected or authorized by Tecnoeka.

TECNOEKA SRL is not responsible for damages, direct or indirect, caused by the product failure, or following to the forced suspension of use of the same.

Warranty repairs do not result in the extension or renewal thereof.

Parts replaced under warranty are in turn a guarantee of 6 months from the date of shipment, attested by a movement document issued by Tecnoeka.

Nobody is authorized to modify the terms and conditions of guarantee or to release other verbal or written.

12. Availability and supply of spare parts

Tecnoeka Srl guarantees the supply of spare parts for a period not exceeding 24 months from the invoice date of the appliance purchased. After that date, availability of spare parts cannot be guaranteed.

13. Applicable laws and court of competent jurisdiction

The supply relationships will be regulated by Italian law, with the express exclusion of the international law norms and the Vienna Convention on the International Sales of Movable Assets dated 11 April 1980. Any disputes will fall under the exclusive jurisdiction of the Padua Court.

The products included on manuals may be subject, without any notice or responsibility for Tecnoeka Srl, to technical and functional design changes aiming at improvements without compromising their essential functional and safety features. Tecnoeka Srl is not responsible for any inaccuracies due to bad printing or transcription errors, that could appear on any tool of presentation and/or technical and commercial description of its products to customers.



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