

Pando

User and installation Manual. Guarantee Certificate.



Certificado de Empresa de Gestión de la Calidad UNE-EN ISO 9001:2008



The International Certification Network Quality Management System ISO 9001:2008



(*) Certificación de Producto AENOR UNE-EN 60335



(*) Certificación de Producto U.L. (U.S.A. - Canadá) U.L. 507-2014



(*) This manual is generic for various models and versions, the use of the certification and mark is only for those whose identification label has indicated the symbol.



The symbol on the product or its packaging indicates that this product cannot be disposed of like normal domestic waste. The product must be handed over at a collection point for recycling electrical and electronic equipment. If you ensure that this product is correctly disposed of, you will help to avoid the possible negative environmental and public health effects that could arise from incorrect disposal. For more detailed information about recycling this product, please contact your city authorities, the domestic waste service or the establishment where you purchased it. This electrical appliance is marked in compliance with European Directive 2002/96/EC on electrical and electronic appliance waste (WEEE).

INTRODUCTION

Firstly, we would like to thank you for your confidence in our firm when you chose a Pando extractor hood. This manual and its annexes are a guide for the correct installation, usage and maintenance of your new Extractor Hood.

To learn everything about your hood, we recommend you read these instructions carefully from beginning to end and keep them for future reference.

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* Assembly manual supplied with this document, in the documentation bag.

This manual is valid for different models, to determine which parts and functions correspond to your specific hood, **CONSULT THE SPECIFIC ASSEMBLY MANUAL FOR YOUR MODEL.**

The manufacturer will not be held liable for any possible inaccuracies due to printing or transcription errors in this manual. The manufacturer reserves the right to incorporate modifications considered useful or necessary into the products, which will not alter their essential functional and safety characteristics.

1. SAFETY INSTRUCTIONS



This appliance can be used by children over the age of 8 as well as physical, sensorial or mentally handicapped people or inexperienced people if they are appropriately supervised or trained regarding the safe usage of the appliance and they are aware of the possible dangers its use could entail. Children must not play with the appliance. Any cleaning and maintenance must not be done by unsupervised children.

- When the appliance is delivered, unpack it immediately and check that it is in good state by visual examination of the exterior. If any fault or damage is observed, do not install it and inform the dealer or installer immediately.
- This hood has been designed for normal domestic use. **It must not be used for industrial, professional, or any other use different from what it has been designed for.**
- Pando will not be held liable for consequences or damages resulting from incorrect installation or misuse of the appliance.
- Do not try to alter any of the characteristics of this appliance, this could be dangerous and will automatically render the guarantee void.
- To avoid hazards, it is forbidden to manipulate the appliance. If the power cable is damaged it must be replaced by the manufacturer through an authorised technical service. Any repairs that involve manipulating the appliance or its components must only be done by an authorised technical service.
- The LED lamps can not be manipulated by the user as there are risks of electric shock, handling, maintenance or replacement is a task reserved exclusively for official technical assistance service or authorized specialist installer.
- If the hood does not have a power cable with a plug, or other means to disconnect it from the mains with a separation between the poles, and with means to disconnect completely under category III overvoltage conditions, it must be fitted with means to disconnect it from the mains in case of category III overvoltage conditions.
- Disconnection from the mains after installation should be accessible for the user. The power plug must be easily accessible or if not, there must be a disconnection switch in compliance with electrical installation regulations.
- Take special care when perforating walls or ceilings and ensure that there are no hidden electrical cables, pipes, metal beams, etc., as perforating them could cause great damage, short circuits or the transmission of noise and vibrations.
- **IMPORTANT: Before connecting the appliance to the mains, make sure the current is first turned off (differential or circuit breaker on the general electrical panel of the house).**
- **WARNING: Always disconnect power to the hood before cleaning or maintenance operations, either by unplugging it or disconnecting with the circuit breaker on the general electrical panel of the house. Never use steam or high pressure devices to clean the hood (electrical safety regulations), see section 8 on cleaning and maintenance.**

1. SAFETY INSTRUCTIONS

- It is forbidden to cook food directly on the burner flame, or leave the burners without a cooking pot or pan on them, as the flames and heat could be hazardous and could damage the appliance, something that will not be covered by the guarantee. The use of the appliance over wood, coal, charcoal, etc. cookers is not authorised.
- Any frying carried out under the hood must be constantly attended to avoid the oil or fat catching fire. **Do not flambé under the hood.**
- **Take care, accessible parts of the appliance could cause burns**, as they can get hot while cooking.
- The minimum distance between the surface of the cooktop and the lower edge of the hood must be 65 cm if the the **extractor hood** is fitted over gas cooker. If the installation instructions of the gas cooker indicates a greater distance, this must be followed.
- Respect the frequency of cleaning and filter replacement specified. Excessive accumulation of grease could give rise to fires. Never use the hood without the grease filter fitted. See section 9 on hood maintenance, p. 24-31.
- Hood and conduit installation must comply with regulations on ventilation of closed spaces. More specifically, the exhausted air must not be led through a conduit that is used for exhausting fumes from other appliances using gas or other fuels (central heating installations, etc.).



Attention! When the hood is in operation “in suction” at the same time as a heating system that depends on ambient air (gas, oil, coal boiler, chimney, etc.), take special care to avoid the hood absorbing air needed for combustion, this could cause dangerous accumulations of carbon monoxide in the premises or home, which could be deadly. If the extractor hood is installed together with a combustion appliance such as a boiler, chimney or local heating, the manufacturers of these appliances must be contacted to ensure optimum and risk-free operation.

- Negative pressure in the premises must not exceed 0.04 mbar. This will allow the hood to operate in optimum conditions. To achieve this, it is necessary to have a permanent entry of fresh air to avoid air stagnation, it is recommended to have a ventilation grille for this purpose. Doors and windows are not enough.
- Electrical power supply must be stable and meet the electrical requirements of the appliance (see the nameplate of the appliance). If the power supply is unstable, with variations in voltage, current, surges and cuts, electrical storms, etc., the hood could malfunction and even be damaged, in which case repairs will not be covered by the guarantee. If any of these things happen, disconnect the hood and contact an electrician or your electrical company to solve the problem.
- Improper and unauthorised handling of the hood, as well as modifying, cutting or perforating the body, structure, motor or wiring of the hood are expressly forbidden. In case of any of the above, the guarantee will be automatically void and the manufacturer will not be held liable for any possible harm or damages.

1. SAFETY INSTRUCTIONS

- The hood is an electrical appliance for fume extraction and must not be used as a support for objects or utensils.
- If the hood is to be used at the same time as gas fuelled or other fuelled appliances (not applicable to appliances exclusively designed to blow air into the room) the room must be properly ventilated.
- Regulations regarding air evacuation must be complied with.
- With the aim of constantly improving our products, we reserve the right to modify their functional characteristics or their appearance.

2. RECOMMENDATIONS TO BEAR IN MIND BEFORE INSTALLATION.

This is a generic manual which is valid for several models. The specific installation guide for your model will be included with this manual in the initial pages or in a separate leaflet included in the accessory bag.

Installation should only be carried out by qualified professionals, professional installers or the official technical service. The manual or installation guide must be read with care before starting the installation process.

When opening the packaging, check that all the components are in perfect state and all the accessories are present. If this is not the case, contact the dealer and do not install. **Once installed, any damage to the exterior such as scratches, dents, stains, etc. will not be covered by the guarantee.**



VERY IMPORTANT!



DO NOT REMOVE THE PROTECTIVE PLASTIC FROM THE HOOD UNTIL IT IS COMPLETELY INSTALLED, IF THIS PLASTIC IS NOT PRESENT IN AREAS THAT COULD HAVE A RISK OF DAMAGE DURING INSTALLATION, IT IS RECOMMENDED TO APPLY PROTECTIVE MATERIALS AGAINST IMPACT, SCRATCHES AND CONTACT WITH CORROSIVE AGENTS.

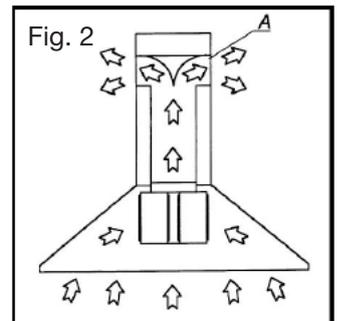
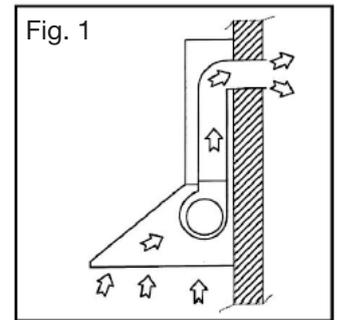
TAKE ESPECIAL CARE DURING THE INSTALLATION IF OTHER WORK IS ALSO IN PROGRESS, BECAUSE PAINT, SILICON, PLASTER AND OTHER MATERIALS COULD CONTAIN CORROSIVE CHEMICALS THAT MAY DAMAGE THE PRODUCT, IN THESE CASES IT IS RECOMMENDED TO ADEQUATELY PROTECT THE HOOD, BY FOR EXAMPLE, HERMETICALLY COVERING AREAS THAT COULD BE AFFECTED WITH PLASTIC.

THIS WILL AVOID DAMAGE TO THE OUTSIDE OF THE APPLIANCE, SOMETHING THAT WILL NOT BE COVERED BY THE GUARANTEE.

SUCTION VERSION (Fig.1): Expels fumes outdoors, it is the most recommendable, as it offers the best results regarding suction and noise levels.

FILTER VERSION (Fig.2) (Optional): Exhausts fumes and smells normally recycled to the inside of the premises (A). This option can be used if it is not possible to exhaust outdoors.

This option offers less suction and produces more noise than the previous. This filtering option needs a kit of components which includes among, other things, active carbon filters, this kit depending on the version, will be factory fitted, installed by a professional installer or by Pando's authorised technical service. Please consult with the manufacturer or the dealer to see if your model is compatible with this option.

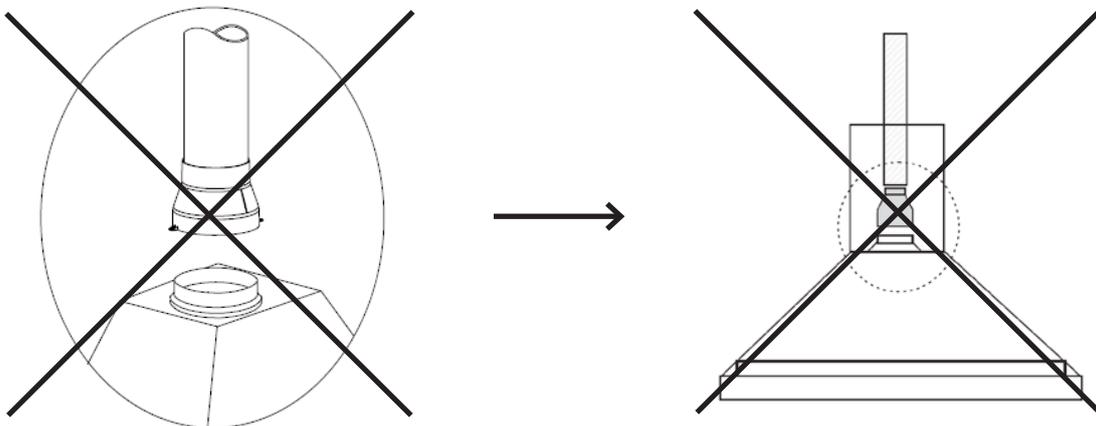


Pay special attention to all the instructions given below, as optimum operation of you hood will depend on this.

CONDUIT FOR EVACUATING FUMES AND SMELLS:

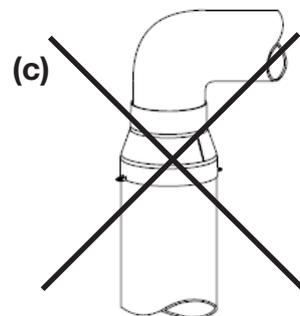
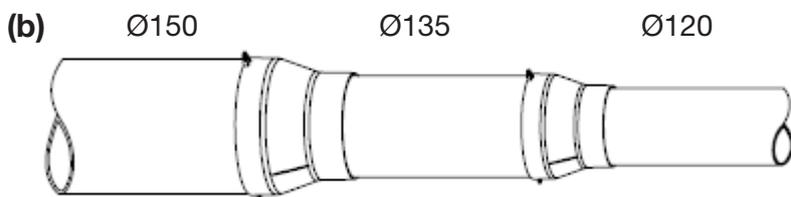
- A.** With a diameter as recommended in the installation manual and the technical datasheet of the version of the motor (see section 6 of the manual).
- B.** Try to make it as short as possible and avoid or limit the number of bends, if they are unavoidable, try to make them as open as possible, never make bends of less than 90°.
- C.** Avoid changes in shape and section of the conduit outside the manufacturer's recommendations, as this will drastically affect the optimum operation of the hood.

(a) If it is necessary to use a conduit smaller than the recommended section, the motor will offer less suction and noise levels will increase. A tip for minimising losses is not to place the narrowing at the outlet of the motor, but at least 0.5-1 m away, leaving this first part at least with an adequate section.



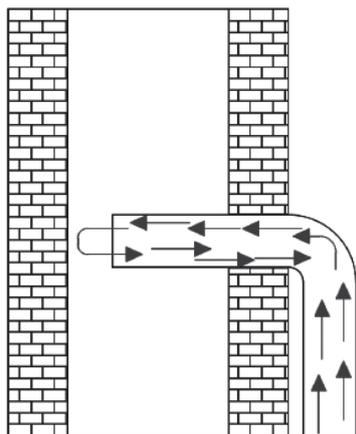
(b) If the undesirable reduction is very significant, do not do it suddenly, but rather make partial reductions, for example, from $\text{Ø}150\text{mm}$ to $\text{Ø}120\text{mm}$, first reduce from $\text{Ø}150$ to $\text{Ø}135$, use a straight section $0.5\text{-}1\text{m}$ long of $\text{Ø}135$ and then apply a second reduction from $\text{Ø}135$ to $\text{Ø}120\text{mm}$.

(c) Do not place curves or bends just before or after a reduction.

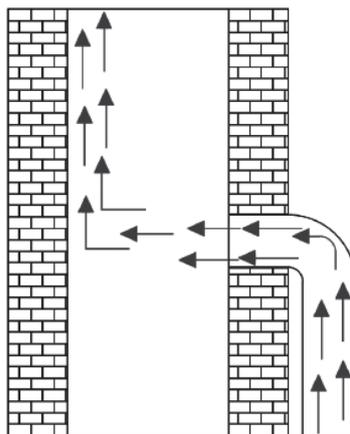


D. It is recommended to use conduits with minimum losses due to friction, therefore the walls should be as smooth as possible, in the case of flexible conduits, stretch them out well so the corrugated walls are as smooth as possible, this will improve suction as well as reduce noise levels.

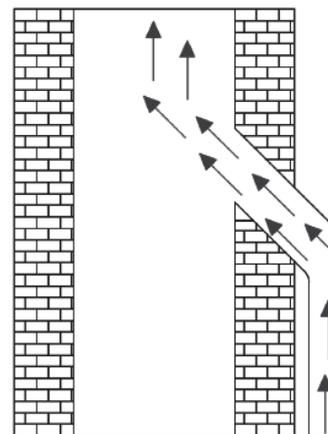
E. The outlet to the exterior must not be blocked by elements that could reduce its natural section or obstruct the outlet. When connecting to a common flue, the outlet must be as indicated in the illustrations.



INCORRECT



CORRECT

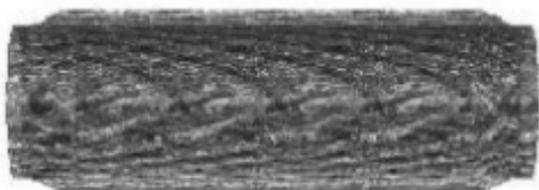


BETTER

F. Air exit to the interior with filter systems must not be blocked, leaving a minimum gap of 20 cm from any obstacle such as a wall or ceiling.

G. Use conduits of adequate composition for the intended use, compliant with regulations.

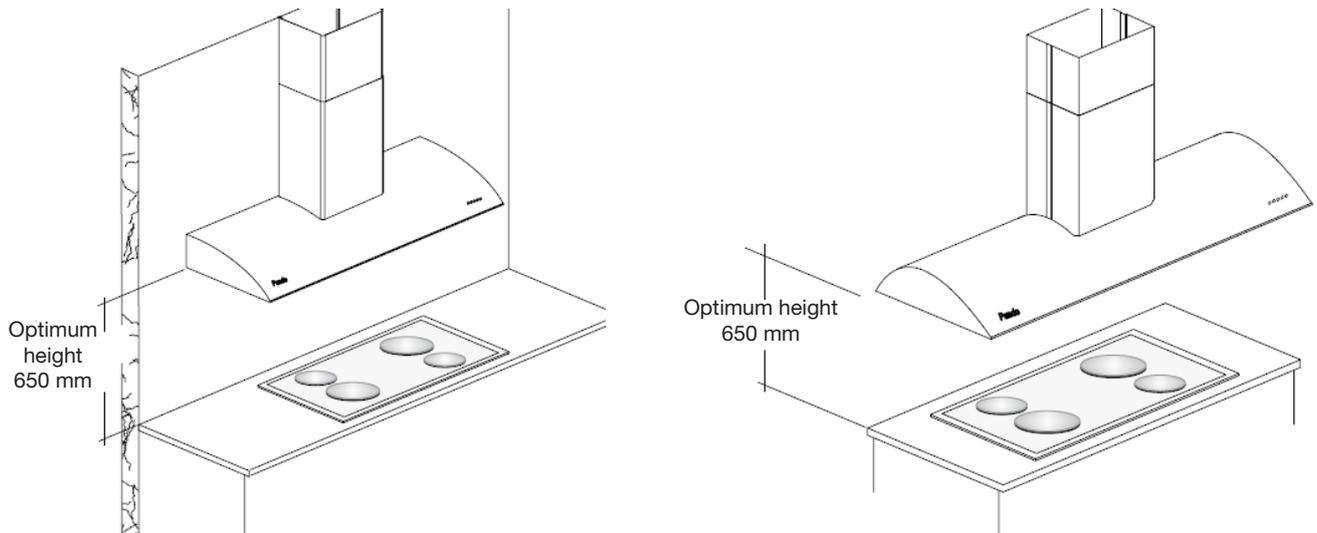
H. For a soundproofed installation, we recommend using our special **S.E.C. System tubing for fume evacuation conduits**. Ask your dealer.



THE RIGHT SIZE AND DISTANCES:

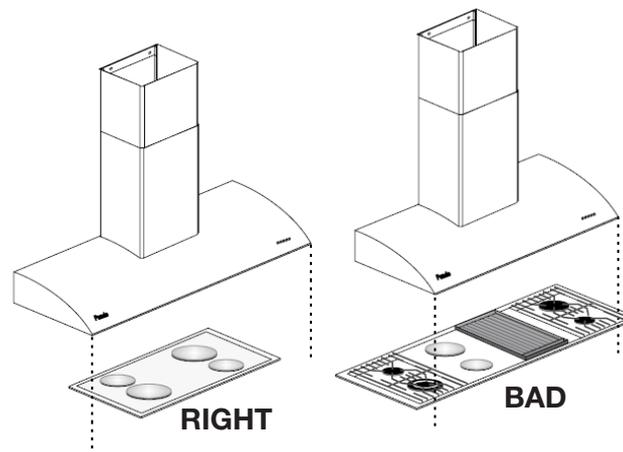
a) HEIGHT OF THE HOOD: For hood installations over a gas cooker, the minimum height between the cooktop and the bottom of the hood should be 65 cm according to regulations. The distance can be greater, according to the type of cooktop, consult the manufacturer or the manual of the cooktop. A greater distance than the recommended could cause less than optimum operation as fumes may leak from the sides.

Consult the installation manual, which will indicate the height of the hood over a gas cooker. A very small distance could worsen the condensation effect, especially in the case of induction cookers.



b) WIDTH OF THE HOOD: The hood must always be wider than the cooking area (except in some special models). If it is narrower, you run the risk of fumes escaping from the ends.

c) CENTRING OF THE HOOD: The hood will be placed in such a manner that its filters are centred over the cooking area.

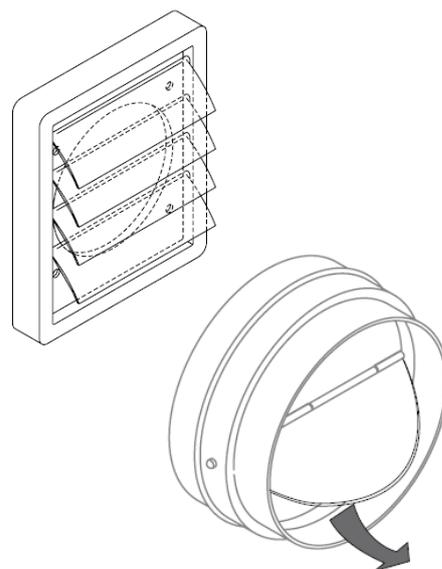


d) VENTILATION AND DRAUGHTS: All hood installations need a continuous air inlet with a diameter at least equal to the outlet diameter of the motor, preferably opposite the hood and care should be taken with other air inlets that could give rise to draughts that would reduce suction power. No air inlet will cause problems of depression and atmospheric over-pressure making the hood motor perform badly and significantly affecting suction performance.

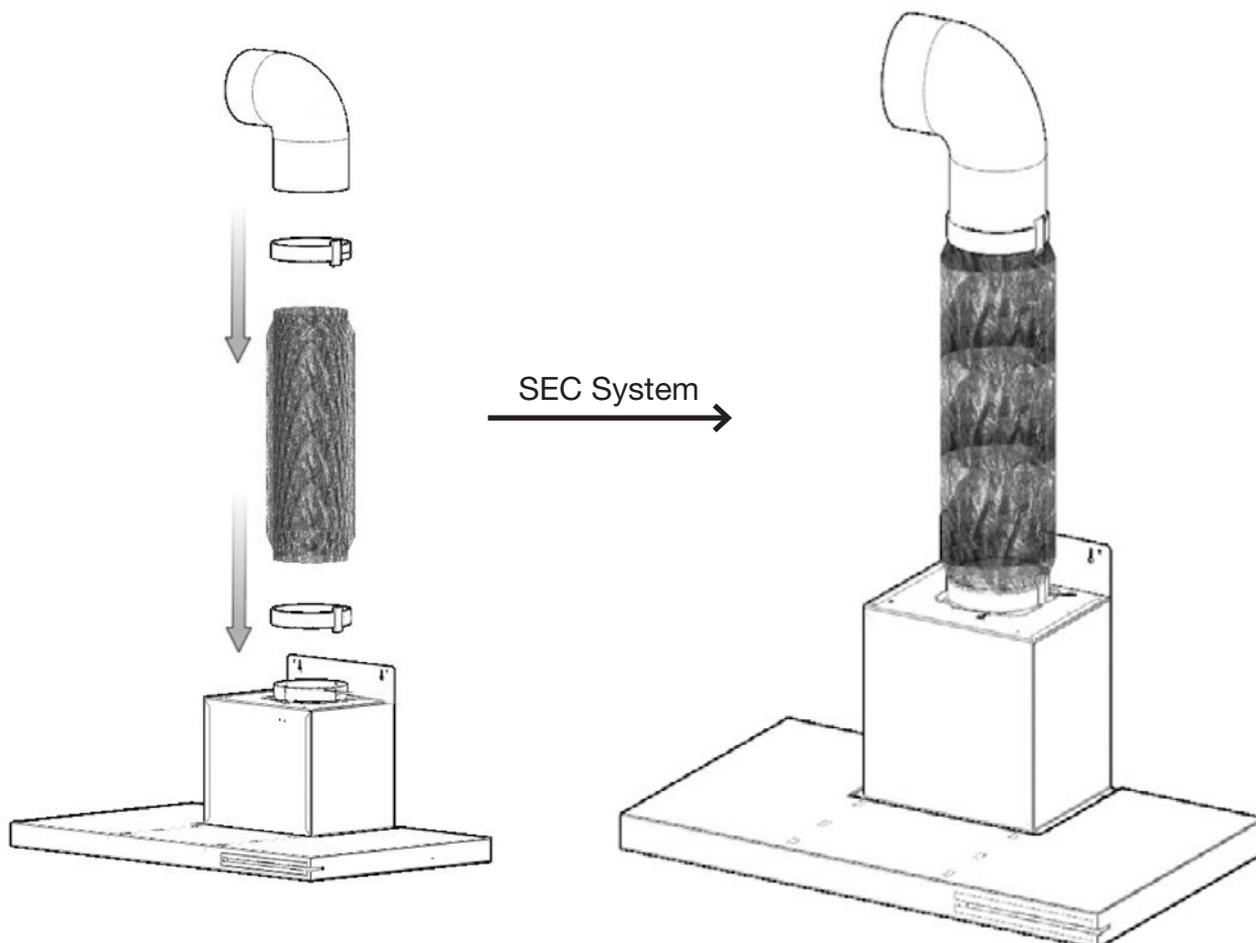
CONDUIT ACCESSORIES (Optional)

OUTSIDE CONDUIT OUTLET (Not included): The outlet to the outside should have a hatch opening by air pressure. Under no circumstances use gas grilles or others that could obstruct the free movement of air. Neither should the exit to the outside be left uncovered, as this could give rise to the entrance of foreign objects (water, strong wind, bird's nests...) that could obstruct the airflow and damage the hood.

ONE-WAY VALVE (Not included): Only recommended for use in community installations, where several conduits join into one, to avoid fume blowback and the entry of fumes and smells from other hoods, etc. Take into account that these devices need maintenance by authorised professionals.

**3. INSTALLING AN SEC System conduit (Included only in SEC versions)**

NEVER FIT AN SEC System TUBE AS A COVER OR OVER A SMALLER DIAMETER TUBE IN THE PRE-INSTALLATION OF THE PREMISES.



4. ELECTRICAL CONNECTION (Only to be done by qualified professionals)

ATTENTION! During installation and subsequently, when carrying out any operation inside the hood or during maintenance, make sure the appliance is disconnected from the mains.

The electrical power supply must be stable and meeting the electrical requirements of the appliance (see the nameplate of the appliance).

The hood must be connected to the mains supply with an independent line to the electric panel so as to avoid interference in the hood caused by fluorescent lamps or other devices that transmit noise to the mains.

Make sure the mains plug of the appliance is accessible or if not, install a switch in compliance with electrical regulations.

If the hood does not have a power cable with a plug, or other means to disconnect it from the mains with a separation between the poles, and with means to disconnect completely under category III overvoltage conditions, it must be fitted with means to disconnect it from the mains in case of category III overvoltage conditions (Multi-pole disconnection switch connected directly to the power terminals, with a separation between the poles to interrupt electrical supply in the case of category III overvoltage).

If the power cable is damaged, it must be replaced by the manufacturer, your after-sales service or qualified personnel, to avoid hazards.

Make sure you do not disconnect or cut any wires inside the hood, if this were to happen, contact the nearest after-sales service. Request the aid of a qualified technician for electrical connection.

This must be done in compliance with current regulations.

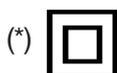
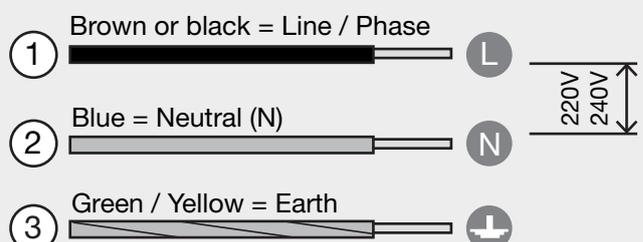
If the specifications label inside the hood displays this symbol (*): the appliance is class II. In which case it does not need an earth connection.

If the specifications label inside the hood DOES NOT display this symbol (*): the appliance is class I. In this case it NEEDS an earth connection.

The cable connecting the hood and the motor in “Exterior Motor” models should have a minimum section of 3 x 1 mm.

The cable connecting the hood and the motor in “Roof Motor” models will be of HO7RN-F class and characteristics with a 3 x 1mm section (up to 5 metres in length.) and 3 x 2.5 mm (up to 25 metres in length).

The extractor hood must “always” be connected to an installation with a good “earth”. Pando will accept no responsibility if these instructions are not followed (except in Class II appliances, indicated with this symbol (*)).

**Key for power cables:**

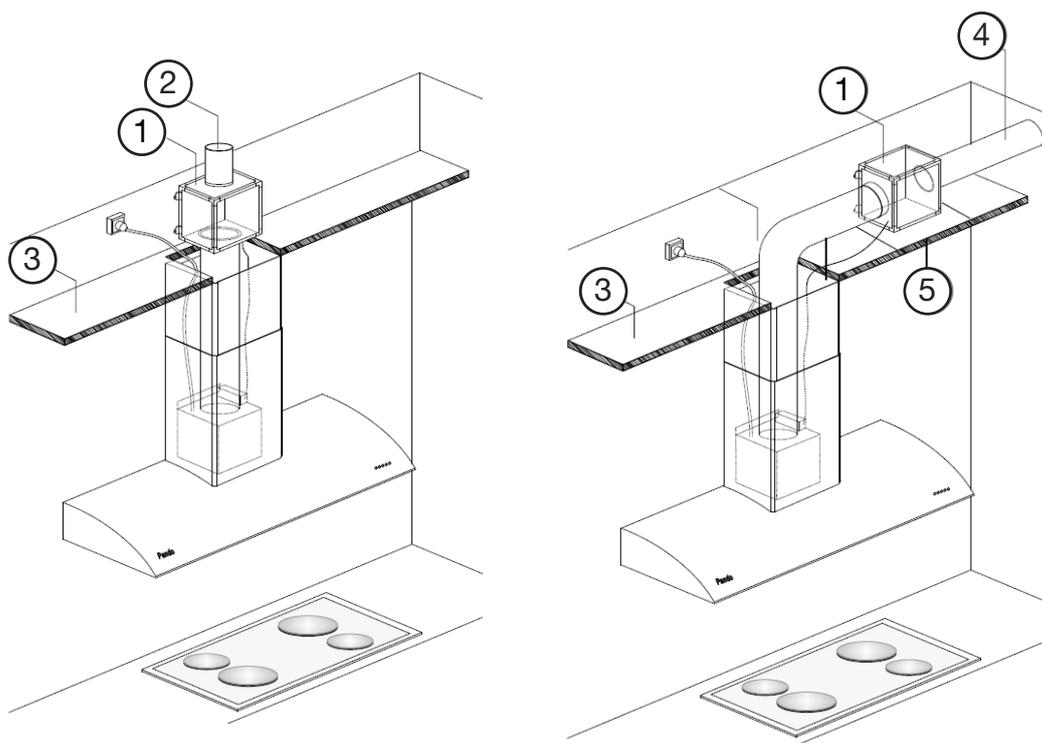
5. INSTALLATION OF EXTERIOR, ROOF OR WALL MOTOR (According to versions)

Each of these motors have their own complete installation manual in the packaging, inside the accessory bag. Below you will find graphic details for part of the fitting. For installing them, always consult their specific installation manual.

**VERY IMPORTANT**

The motor (exterior version false ceiling, roof or wall), **must be “accessible and safe” for Technical Assistance Service personnel.** There must be easy access to the motor for maintenance or possible repairs. If the location of the motor poses a hazard for people or lacks an accessible hatch, Pando reserves the right to refuse to do the work until this is remedied. Therefore, please take this into account to avoid future maintenance problems.

Cables and connections coming out of the motor and the hood must not be cut or modified, if any action of this type is observed, the guarantee will automatically be void.

5.1. FALSE CEILING EXTERIOR MOTOR:

① Motor.

② Fume outlet to conduit.

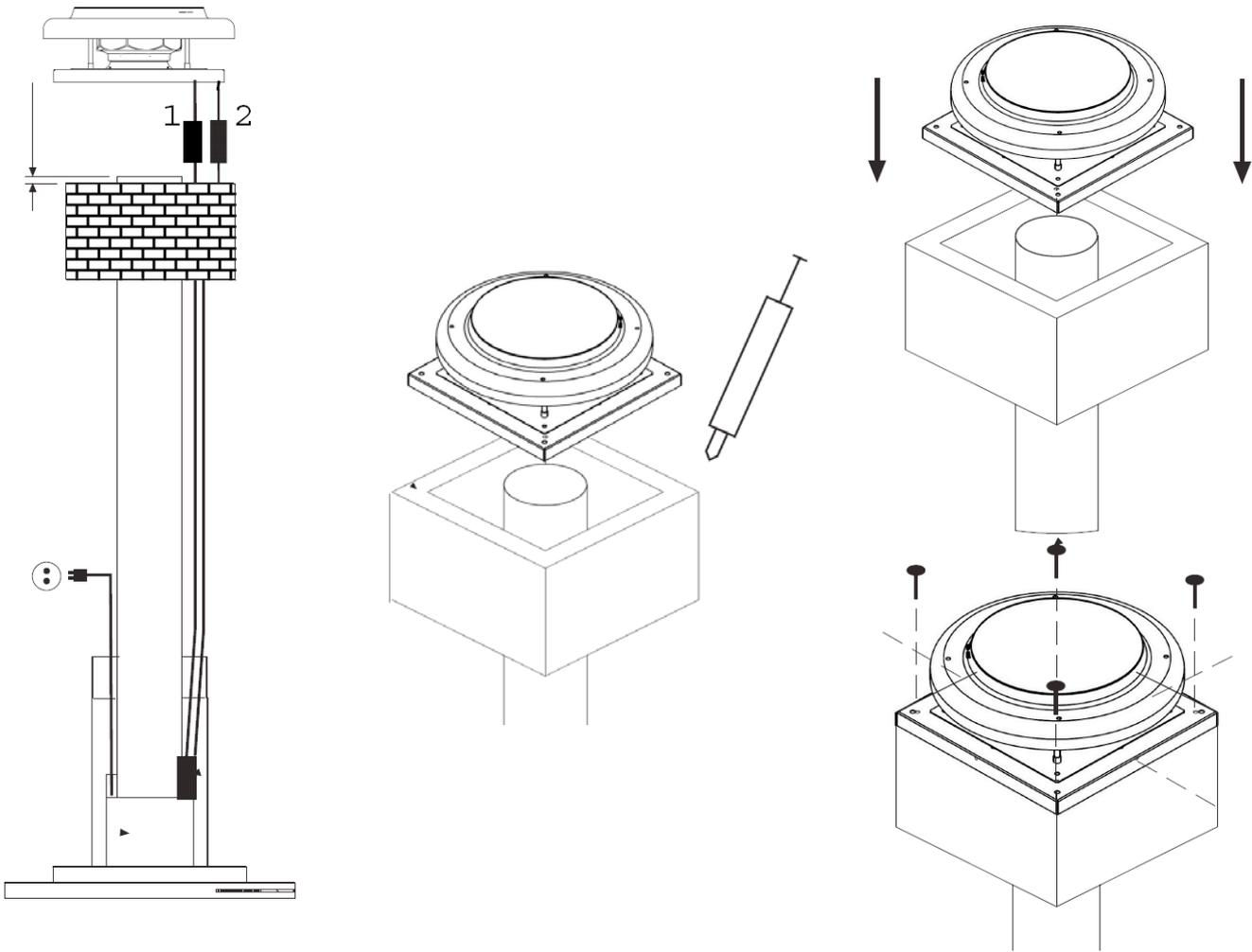
③ False ceiling.

④ Fume outlet directly to the outside.

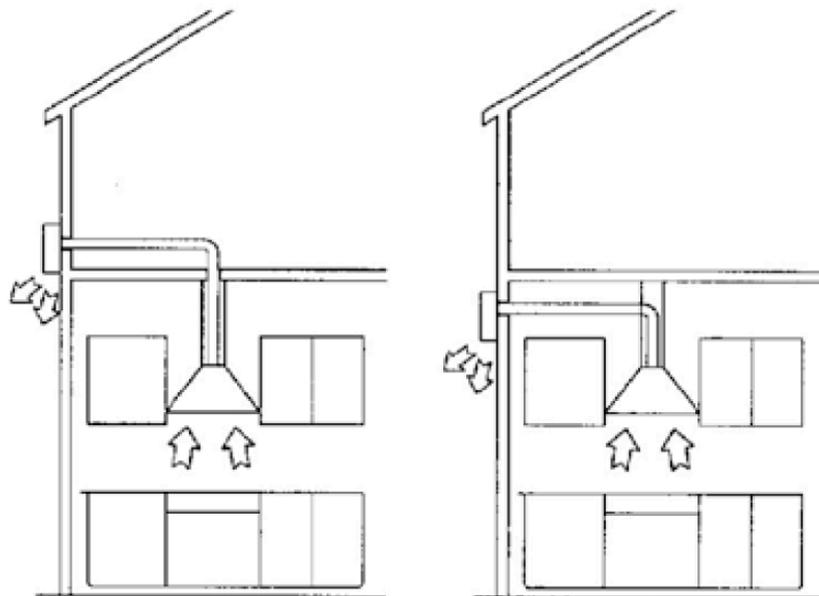
⑤ Hatch for accessing the motor (**Very important**, it must be easy to access and of the sufficient size to be able to remove the motor)

The exterior false ceiling motor is not designed to be placed outside the house, in the open, this could give rise to damage not covered by the guarantee.

5.2. ROOF EXTERIOR MOTOR:



5.3. FACADE WALL MOTOR:



6. CHARACTERISTICS OF THE EXTRACTION CONDUIT ACCORDING TO MOTOR TYPE

MOTOR VERSIONS	DIAMETER (Motor and conduit)	Maximum recommended length of conduit
	Ø mm	m linéaires
INTERIORS motors (inside the hood)		
V600	120	4
V700	120	4
V750	125	6
V845	150	8
V850	150	8
V900	150	6
V1350	150	10
ECO INTERIOR motors (inside the hood)		
V1000 ECO	150	8
V1050 ECO	150	8
V1250 ECO	150	10
EXTERIOR motors (false ceiling)		
V1350	150	6*1
V1200	150	6*1
V2000	200	10*3
ECO EXTERIOR motors (false ceiling)		
V1550 ECO	150	10*2
V2450 ECO	200	12*4
WALL motors (facade)		
V1100	150	6
ECO ROOF motors (on roof or chimney)		
V2350 ECO	200	12

NOTES:

- *1. From hood to motor max. 2m**
- *2. From hood to motor max. 4m**
- *3. From hood to motor min. 2m - max. 6m**
- *4. From hood to motor min. 4m - max. 6m**

Limit the number of curves in the conduit, as each curve reduces suction efficacy:

- In Ø150 mm one 90° bend = 1m linear.
- In Ø200 mm one 90° bend = 2.5m linear.

Example: If two 90° bends are used, the total length of a conduit of 3m linear Ø150mm (3+1+1), is 5m.

Example: If two 90° bends are used, the total length of a conduit of 3m linear Ø200 mm (3+2.5+2.5), is 8m. The values indicated derive from tests conducted in laboratory conditions. Depending on the model and characteristics of each hood, they could vary significantly.

Due to constant improvements made by Pando to their products, the latest update to this information can be found on our website (www.pando.es).

The technical specifications datasheet of your hood and the energy classification label can be found in the documentation contained in the accessory bag.

7. INSTRUCTIONS FOR USING THE CONTROLS.



IMPORTANT: It is advisable to switch on the hood shortly before starting to cook and leave it on for a while after finishing, to evacuate all the fumes and smells from the premises and the conduit.

SPECIAL FUNCTIONS:

TIMER “Ecodesign” (6~7)

* (REGULATION EU No. 66/2014 ECODESIGN)

As of 1 January 2015, with the entry into force of the new European Commission regulation EU65 “Energy label” and EU66 “ Ecodesign”, we have adapted our products to the requirements of these regulations.

All the “Energy label” version models have an electronic timer to limit the time of suction speeds exceeding 650m³/h.

In compliance with this energy saving regulation, when the hood is turned on at maximum or medium speed (depending on the motor version) and it exceeds 650m³/h, after 6 or 7 minutes (depending on the motor version) the hood will automatically switch down to a lower speed. To return to the higher speed, press the increase speed key again and the timer will begin to count from 0 minutes.

FILTER SATURATION WARNING (30h).

* Only available in control panels versions 7.1 and 7.8.

The hood has a system that warns of filter saturation, using a timer that will display a visual signal indicating the need to clean the filters.

After 30 hours of operation of the hood, the control panel will emit a warning by flashing all the lights on the panel for 30 seconds. If any button on the panel is pressed in this period, the flashing will stop and the timer will restart, if no buttons are pressed, the counter will automatically restart after 30 seconds.

AUTOMATIC SAFETY DISCONNECTION (5h)

* Only available in control panels versions 7.1 and 7.8.

The hood has an automatic disconnection system to avoid it staying on for excessively long periods of time.

Once the hood is switched on, if no button on the panel or the remote has been pressed in 5 hours, the hood will automatically switch off the motor and lights.

7.1. RECTANGULAR ELECTRONIC PANEL:

- **MAIN OR WORKING LIGHT:** Press to switch on main lights and press again to switch off. When the lights are on the key is brightly lit.

- **COURTESY OR AMBIENT LIGHT:** (Optionally, depending on model and version) Keeping the key pressed for 2 seconds will switch on the courtesy light, and continuing pressing will switch it off again.



- **ON / OFF:** Press to switch on the motor and the key will light up brightly and steadily, press again to switch off the motor and the key dims.



- **(-):** Press to lower motor speed. When at minimum speed the key will flash brightly.



- **(+):** Press to increase motor speed. When at maximum speed the key will flash brightly (*see Ecodesign timer section, Page 14).



- **LAST TIME:** Press to activate the timer and switch on the motor at maximum speed for 5 minutes. Once on, it can be adjusted to a lower speed if you wish. When the time has elapsed, the motor stops and the hood lights turn off. The Last Time key will light up brightly.

7.2. TOUCH CONTROL PANEL:**- TOUCH CONTROL****- TOUCH CONTROL VEDO NON VEDO**

 - **MAIN OR WORKING LIGHT:** Press to switch on main lights and press again to switch off. When the lights are on the key is brightly lit.

- **COURTESY OR AMBIENT LIGHT:** ((Optionally, depending on model and version) Keeping the key pressed for 2 seconds will switch on the courtesy light, and continuing pressing will switch it off again.

 - Press "1" to start the motor at minimum speed, and the touch control displaying number 1 will remain alight, pressing again will switch off the motor and touch control number 1.

 - Press "2" to increase motor speed to medium, the touch control displaying 2 will light up.

 - Press "3" to increase motor speed to maximum, the touch control displaying 3 will start flashing. (* see Ecodesign Timer section, Page 14).

 - **LAST TIME:** Press to activate the timer and switch on the motor at maximum speed for 5 minutes. Once on, it can be adjusted to a lower speed if you wish. When the time has elapsed, the motor stops and the hood lights turn off. The Last Time key will light up brightly.

- TOUCH CONTROL

1

- TOUCH CONTROL VEDO NON VEDO

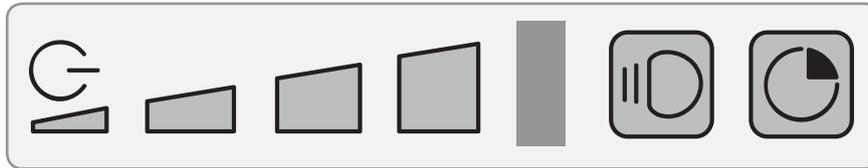


- **Filter saturation warning:** When the hood has been 40 hours in operation, the hood will issue a visual alarm by lighting up and **flashing the 1st speed key**, indicating that it is time to clean the filters.

To turn it off and restart the counter, proceed as follows: With the motor and lights off, press the **touch panel symbols for 1st and 2nd speed (at the same time or first 2nd key and then 1st)**, keeping them pressed for 10 seconds.

For the Touch Control to work correctly, we recommend keeping the glass clean and dry.

7.3. SLIDER TOUCH BUTTON:



- ON/OFF, press on the symbol for about 2 seconds and the motor will switch on at minimum and 1st speed, lighting up a blue dot on display 1, if you press again, the motor symbol will turn off.

- Sliding the touch control to this symbol will increase to 2nd speed. 2 blue dots will light up on the display.

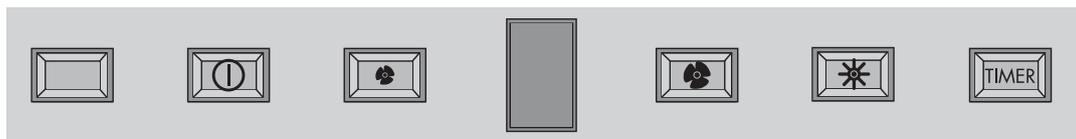
- Sliding the touch control to this symbol will increase to 3rd speed. 3 blue dots will light up on the display.

- Sliding the touch control to this symbol will increase to maximum 4th speed. 4 blue dots will light up on the display, of which the last will be flashing, indicating timed speed, (* see section Ecodesign timer Page 14).

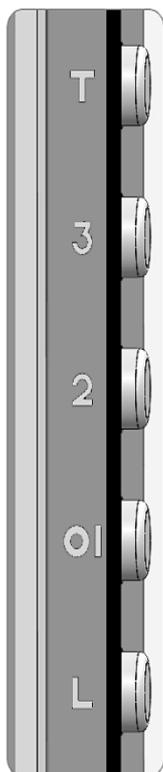
- Display indicating the speed of the motor and the timer with dots.

- Press to switch on main lights and press again to switch off. When the lights are on the key is brightly lit.

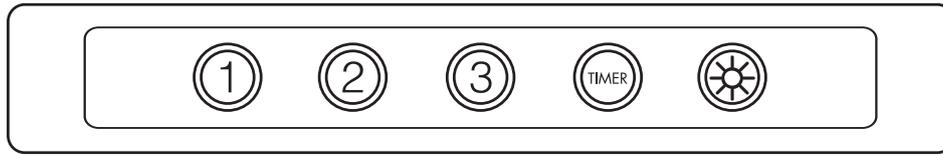
- **LAST TIME:** When the motor is on at any speed, pressing this button will start a 5-minute timer, at the end of which time the motor and lights will switch off. When on, it is possible to adjust the speed to the desired level. This function is indicated on the display by flashing dots.

7.4. ELECTRONIC DISPLAY PANEL:

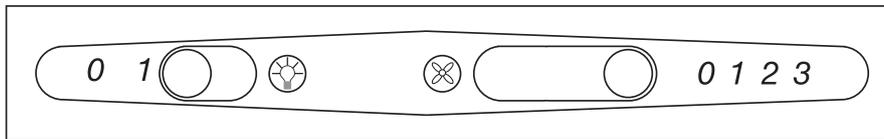
-  - ON/ OFF, press this button to start the motor, press again to stop it.
-  - Press the button to reduce the speed of the motor.
-  - Display that indicates the speed number of the motor.
-  - Press the button to increase the speed of the motor. At top speed Booster (3), the display will show a flashing spot indicating that you are in Ecodesign function, and this speed will be timed to 7 minutes before returning to the 2nd speed (*see section Ecodesign Timer Page 14).
-  - Press this button to turn on the lights, press again to turn off.
-  - **TIMER:** Pressing this button when the motor is in operation will activate the timer and the display will flash, after 5 minutes the motor will turn off. Once on, the speed can be adjusted as you wish.
-  - **IR receiver for the optional remote control. (See point 8.3)**

7.5. ELECTRONIC SIDE PANEL:

- **Timer**, press this button to turn on the 5-minute timer, press again to turn off. It keeps the motor on at the pre-programmed speed for 5 minutes, after which the motor and lights will turn off. The lights of the speed button and timer will flash while this function is active.
- Press this button to turn on the motor at 3rd speed (Booster) which will remain on for 7 minutes before returning to second speed. At this speed, the button light will flash as a warning that the timer is on (*see Ecodesign Timer section, Page 14).
- Press this button to turn on the motor at 2nd speed.
- **ON/ OFF:** Press this button to turn on the motor at 1st speed, press again to stop the motor.
- Press this button to turn on the lights, press again to turn them off.

7.6. CIRCULAR ELECTRONIC PANEL:

- ① - Press this button to turn on the motor at 1st speed, press again to stop the motor.
- ② - Press this button to turn on the motor at 2nd speed.
- ③ - Press this button to turn on the motor at 3rd speed (Booster) which will remain on for 7 minutes before returning to second speed. At this speed, the button light will flash as a warning that the timer is on (*see Ecodesign Timer section, Page 14).
- ⌚ - Timer, press this button to turn on the 5-minute timer, press again to turn off. It keeps the motor on at the pre-programmed speed for 5 minutes, after which the motor and lights will turn off. The lights of the speed button and timer will flash while this function is active.
- ☀️ - Press this button to turn on the lights, press again to turn them off.

7.7. MECHANICAL BUTTON PANEL:

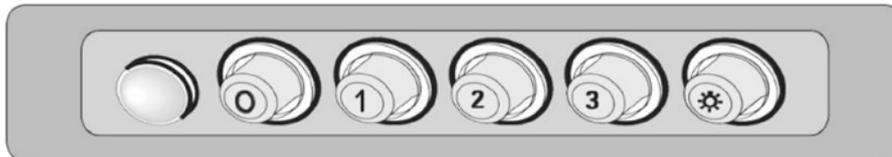
Switch for turning light on (1) and off(0)



Switch for turning the motor on (1) and off (0).

3-speed selector:

- (1). Minimum speed
- (2). Medium speed
- (3). Maximum speed



Pilot light indicating motor on.



- Motor switch off button.



- Button for turning in the motor in first or minimum speed.



- Second or medium motor speed button.

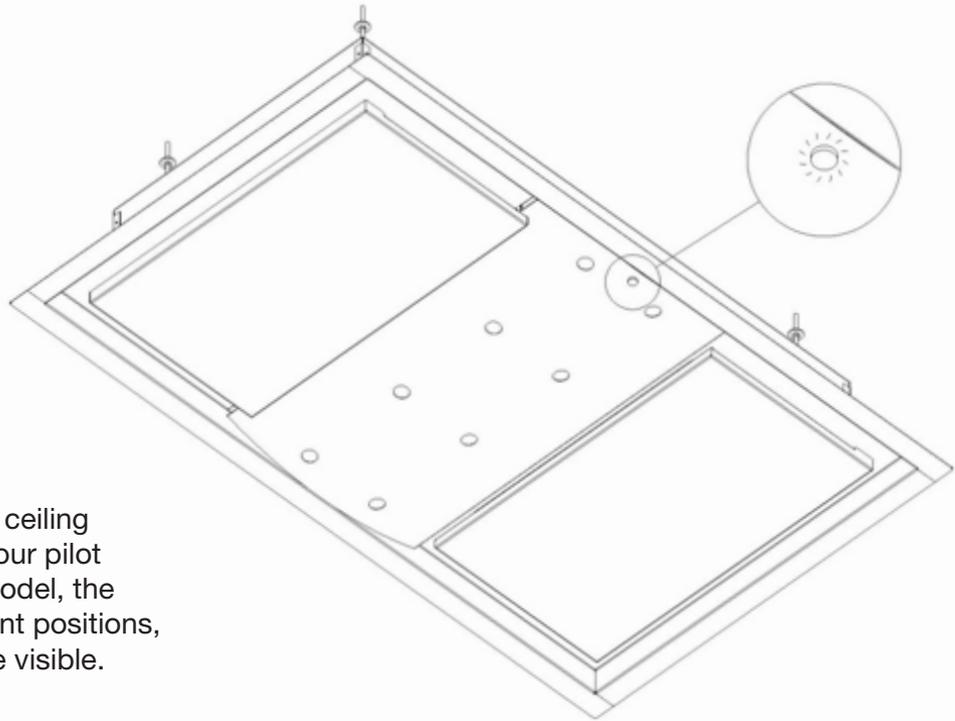


- Third or maximum motor speed button.



- Lights on/off button.

7.8. HOODS WITHOUT BUTTON PANEL – ACOUSTIC AND VISUAL CONFIRMATION MODULE: (Depending on version)



Example drawing of E250 ceiling hood, location of multicolour pilot light. Depending on the model, the pilot light can be in different positions, but the light will always be visible.

OPTIONAL, DEPENDING ON THE MODEL AND VERSION OF THE HOOD

Depending on the hood model and version, there are ranges such as ceiling hoods and some special wall, fitted or island hoods that do not have physical control buttons and they will be controlled with a remote control (in these cases, the hood will have an emergency switch to turn off the hood, hidden under the panel or behind the filters).

ACOUSTIC CONFIRMATION DEVICE (BEEP)

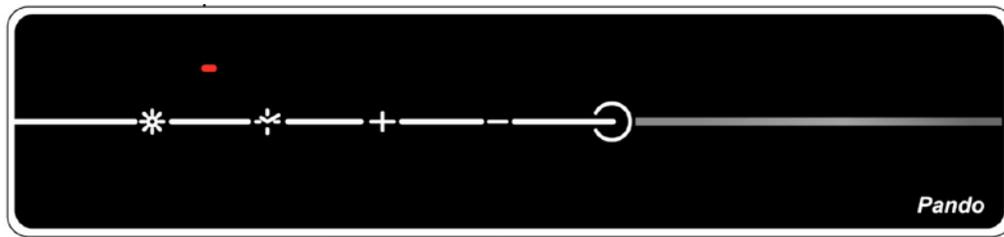
This acoustic confirmation system (beep) for orders transmitted to the hood with the remote control, will emit a short beep every time a button is pressed on the remote control. (Optional, available or compatible, depending on model and version, associated to a visual speed confirmation system or not).

VISUAL MOTOR SPEED CONFIRMATION DEVICE (MULTICOLOUR PILOT LIGHT)

A visual confirmation system *Multicolour LED pilot light) indicating if the motor is on or off and its speed. (Optional, available or compatible depending on model and version, associated to a acoustic remote control order confirmation system or not). The colours of the LED pilot light stand for the following:

1. WHITE LED: 1st and minimum speed.
2. LIGHT BLUE LED: 2nd speed.
3. LED BLEU FONCÉ: 3rd speed.
4. RED LED: 4th and maximum speed.
5. FLASHING LED: Indicating timer mode is active.

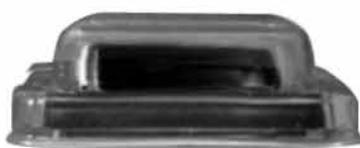
Note: If you have a motor version that exceeds 650m³/h, 3rd or 4th speed will be timed (*see Ecodesign Timer section, Page 14).

8. INSTRUCTIONS FOR USING THE REMOTE CONTROLS. (Depending on version)**8.1. REMOTE TOUCH CONTROL (Optional) (1 of 2):**

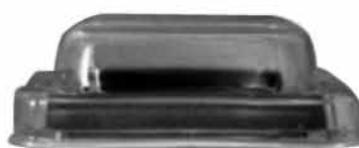
- ⏻ ON/OFF, Press this symbol to turn on the motor, press again to turn off.
- - - Press this symbol to lower the motor speed.
- + - Press this symbol to increase motor speed, (*see Ecodesign Timer section, Page 14).
- * - **LAST TIME:** When the motor is on at any speed, pressing this button will start a 5-minute timer, at the end of which time the motor and lights will switch off. When on, it is possible to adjust the speed to the desired level. This function is indicated on the display by flashing dots.
- Red LED that will light up whenever a function is pressed.
- * - **MAIN OR WORKING LIGHT:** Press to switch on main lights and press again to switch off. When the lights are on the key is brightly lit.
COURTESY OR AMBIENT LIGHT: (Optionally, depending on model and version) Keeping the key pressed for 2 seconds will switch on the courtesy light, and continuing pressing will switch it off again.

SYNCHRONISING THE REMOTE WITH THE HOOD:

When the hood has been installed or whenever a change is made in the transmission code, it will be necessary to synchronise the remote with the hood. The process is the following: disconnect the hood from the mains (using the hood switch or by unplugging the hood, or by using the house mains circuit breaker) then reconnect the hood to the mains, before 20 seconds have passed, point the remote control at the hood and press the light button, the hood will turn on, indicating that the syncing was correct.



OFF



ON

O: OFF
—: ON

8.1. REMOTE TOUCH CONTROL (Optional) (2 of 2):

If you take more than 20 seconds to sync the remote, the hood will disconnect reception and no code will be recorded.

Attention!: Synchronisation between the remote and the hood can be lost for several external reasons, such as power cuts, electrical discharges, electrical interference, exhausted battery....In these case it will be necessary to synchronise again.

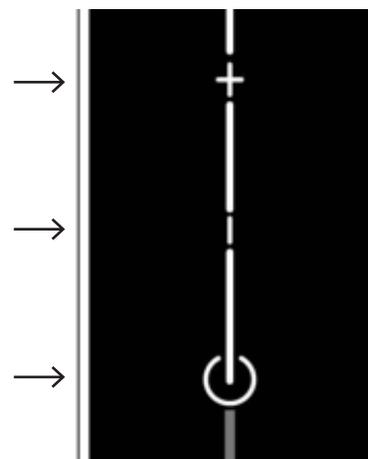
GENERATING A NEW TRANSMISSION CODE:

The manufacturer supplies the remote control ready for use, with the codes predefined in the factory.

If you wish to generate new codes, do the following:

Press simultaneously and keep pressed the three keys indicated in the illustration by arrows, until the red LED on the remote control begins to flash, at this moment the remote is scanning through the different frequencies available, when you release the keys, the LED will stop flashing and record the frequency that was being scanned at that moment, in this manner the control code will be different to the original one.

If you wish to use another frequency, repeat the process (after establishing the factory configuration) and the chosen frequency will depend on the time you keep the keys pressed.

**ATTENTION**

It is recommended to replace the battery at least once a year or whenever the control begins to show communication problems. To replace an exhausted battery, use a screwdriver to remove the battery cover located at the back and lower part of the remote control, remove the dead battery and fit a new one, observing the correct polarity. Button battery, Lithium model CR2032, 3VDC. The used battery should be disposed of in specific containers for recycling.

TROUBLESHOOTING:**Emergency key:**

If the remote control is not working, use the emergency switch, which is usually on the lower part of the hood, under the filter or the panel that covers the filters.

Communication failure:

An exhausted or very weak battery will cause communication failures between the remote and the hood, therefore it is recommendable to have a spare battery for replacement as soon as you observe problems.

This product complies with the specifications of Directive R&TTE 99/5/EC

WARNING:

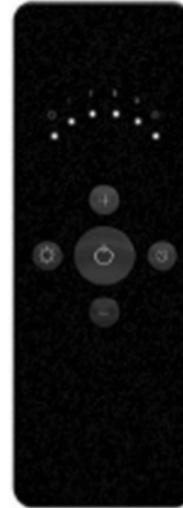
Changes or modifications that have not been expressly approved by the holders of the certificate of compliance with regulations may invalidate the user's right to use the appliance.

8.2. ELECTRONIC REMOTE CONTROL (Optional) (1 of 2):**TECHNICAL SPECIFICATIONS**

- Powered by an alkaline battery: 12V mod.27A
- Frequency used: 433.92 MHz
- Combinations: 32.768
- Max. consumption: 25 mA
- Working temperature: -20 ÷ + 55 °C
- Dimensions: 130x45x15mm

OPERATION

-  Light ON/OFF switch
-  ON (1st speed) OFF motor switch.
-  * Reduce speed. (* Only to 2nd speed to return to 1st speed press the OFF/ON button)
-  Increase speed.
-  5 or 10-minute timer, depending on version.



Leds lights indicating functions.

Note: If you have a motor version that exceeds 650m³/h, 3rd or 4th speed will be timed (*see Ecodesign Timer section, Page 14).

OPERATION MODES - Standard configuration:

Factory-set configuration establishes that all the “hood- remote control” systems have the same transmission code. If you install two “hood- remote control” systems in the same room or near each other, as they have the same transmission code, they may affect the other, it is therefore necessary to change the code of one of the remote controls.

GENERATING A NEW TRANSMISSION CODE:

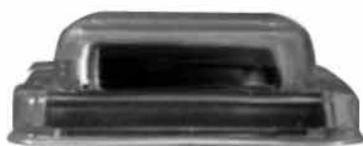
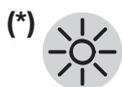
The remote control is supplied with predefined codes. If you wish to generate new codes, do the following:

- 1)  Press the following keys continuously for 2 seconds, until all the LEDs on the remote control light up steadily.
- 2)  While these LEDs are still on (they will only be on for about 5 seconds, make sure you do this operation before they turn off, otherwise you will have to repeat step 1), press the following keys on the remote control successively and the LEDs on them will flash 3 times.

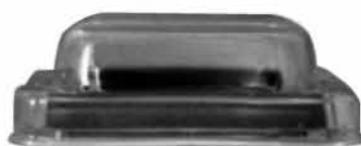
8.2. ELECTRONIC REMOTE CONTROL (Optional) (2 of 2):**Learning the new transmission code:**

After changing the transmission code on the remote control, the hood system must also learn it, for this purpose do as follows:

Press the general off switch of the hood, located on the electronic control unit and switch on again, **from this moment you will have 15 seconds to press the Light (*) key** for the electronics to sync with the new code.



OFF



ON

O: OFF
—: ON

Attention!: Synchronisation between the remote and the hood can also be lost for several external reasons, such as power cuts, electrical discharges, electrical interference, exhausted battery....In these case it will be necessary to synchronise again.

Emergency key:

If the remote control does not work, use the emergency switch to turn off the hood. After the control is repaired, reset the emergency key.

ATTENTION!

For optimum range of the transmitter to be maintained, the battery should be replaced every year. If the control does not communicate with the hood, it may be due to an exhausted battery, change it.

To replace the battery, remove the plastic cover and then the battery, insert a new battery, observing the correct polarity. Alkaline battery model 27A 12V.

The used battery should be disposed of in specific containers.

This RC001 radio control product complies with the specifications of Directive R&TTE 99/5/EC.

**WARNING**

Changes or modifications that have not been expressly approved by the holders of the certificate of compliance with regulations may invalidate the user's right to use the appliance.

8.3. IR REMOTE CONTROL (Optional, only for models with the 7.4 Display panel):

A- On / Off: The motor starts in the first speed.

B- Motor speed decrease.

C- Motor speed increase.

D- On / Off: Light.

9. CLEANING AND MAINTENANCE:

Careful maintenance is a guarantee for correct operation and good performance of the appliance in time.

**WARNING**

Whenever working on the hood for internal cleaning or other interventions, make sure it is disconnected from the mains. For this purpose, the connection plug must be accessible.

If the cleaning and filter changing are not done with the recommended frequency it may affect the correct operation of the hood and there could be a risk of fire.

Regular maintenance and cleaning of the filters will maintain the inside of the hood better and for a longer time, obtaining greater performance and durability. It is recommended to carry out a cleaning of the inside of the hood regularly depending on usage. We recommend that this be done by qualified professional personnel such as Pando official technical service, as according to the model, accessibility is difficult or there could be a risk of damage or harm, consult with the manufacturer beforehand. This maintenance operation is not covered by the guarantee.

9.1. CLEANING AND MAINTENANCE OF THE HOOD:**ENAMELLED HOODS**

The hoods are enamelled with epoxy coating, baked at 200°. It is exceptionally hard and durable. Nevertheless, depending on the products you use, its qualities could be adversely affected.

The best option for optimum cleaning of the OUTSIDE of the hood is standard neutral soap solution and then finish with a damp cloth. **DO NOT USE SCOURING PADS** that can scratch the enamel, use only soft cloths or sponges. Avoid soaking the hood with water when rinsing so it does not remain accumulated in the joints. This, with time, could give rise to rusting.

If you choose to use different cleaning products, we recommend that they do not scratch the enamel and **DO NOT CONTAIN SILICONE, BLEACH, AMMONIA, CAUSTIC SODA OR ANY CORROSIVE AGENTS...**

CORIAN HOODS

For correct maintenance of the Corian hood, we recommend you follow the instructions given by the manufactures of Corian, in the website http://corian.es/Corian/es_ES/tech_info/care_maintenance.html , where you can download the complete use and maintenance manual.

The following is not covered by the guarantee:

- A. Improper or insufficient care or maintenance.
- B. Unauthorised modifications or misuse.
- C. Usage outside the specified conditions.
- D. Physical, chemical or mechanical abuse (either direct or indirect such as corrosive gases).
- E. Damage caused by excessive heat (direct) or by transmitted heat due to insufficient thermal insulation.
- F. Insufficient preparation of the place where it is installed.
- G. Certain additional conditions and for Corian® mentioned in the leaflet “Use and care” in the website: http://www.dupont.es/content/dam/dupont/products-and-services/construction-materials/surface-design-materials/documents/Caring_for_DuPont_Corian_multilanguage.pdf

STAINLESS HOODS

Stainless steel is an alloy of different metals but it is not completely inert and can be affected by corrosion caused by certain products or inadequate maintenance.

IMPORTANT! In areas close to the sea or lagoons, beaches and coastal areas the sea breeze can transport particles of sodium chloride and sulphurous gases (saltpetre) which **are highly corrosive for metal and will result in rusting or staining**. If your hood is installed in one of these areas, we advise the use of models that are more resistant to corrosion (consult with your distributor) and take preventive measures to protect the steel from these corrosive agents. Stains and corrosion due to exposure to these elements (saltpetre) or for not applying adequate maintenance and protection will not be covered by the manufacturer’s guarantee.

To clean and preserve the steel on the OUTSIDE of the hood, we recommend the use of our **cleaner, polish and protector INOX PANDO** (reference 1059, consult with your distributor), or use a standard neutral soap solution and then wipe with a damp cloth. **DO NOT USE SCOURING PADS** that can scratch the metal, use only soft cloths or sponges. Avoid soaking the hood when rinsing, so as not to accumulate water in the joints, which could give rise to rust in the future. Finally, dry the hood and then apply “Pando Stainless Steel Cleaner” to even out the different tones that could be present after cleaning, thus giving it a homogenous and perfect finish.

RECOMMENDATIONS:

When cleaning the hood, you should always wipe with soft cloths in the direction of the polishing of the hood (horizontal or vertical), to avoid scratches. Then, to even out the shine and texture on the whole surface, apply our exclusive “Pando Stainless Steel Cleaner, polish and protector”, which you can purchase from your distributor or the Pando Technical Assistance Service network.

The hood and filters must be regularly cleaned with a frequency depending on use. Leaving dirt, remains of food or liquids adhered to the metal for a long time or placing wet objects on the hood such as aluminium or steel cans, cloths, etc. , could give rise to corrosion that will damage the stainless steel or stain it, this type of damage will not be covered by the manufacturer’s guarantee.

Cleaning products containing BLEACH, ACID, CAUSTIC SODA, AMMONIA, CHLORIDES or DERIVED CORROSIVE AGENTS will HARM the stainless steel. All of these could damage the metal, causing total or partial oxidation, black spots, difference in sheen, stains, etc. Special care must be taken with acids (hydrochloric, caustic soda, bleach, etc.), in some cases although the product is not applied directly to the metal, it can cause damage, as the vapour given off by the acid could cause corrosion on the metal.

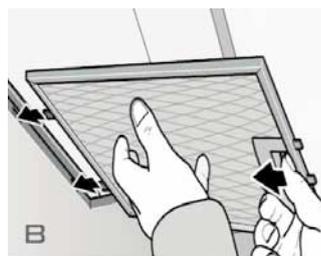
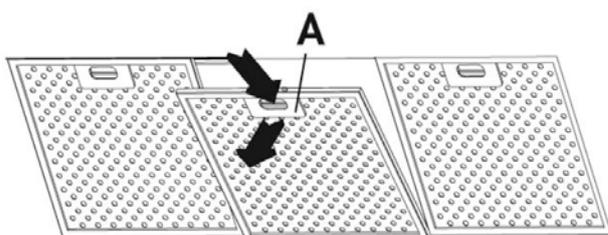
**VERY IMPORTANT**

Take care when industrial or professional cleaning is carried out to protect the hood with sealed plastic and have the kitchen well ventilated to avoid vapours with the corrosive agents described above. Not taking these precautions could cause irreparable damage to the stainless steel which would not be covered by the guarantee. People in charge of cleaning should take into account the above mentioned agents and not use them or take preventive measures so as not to cause damage.

9.2. CLEANING AND MAINTENANCE OF THE FILTERS:**ALUMINIUM AND STAINLESS FILTERS**

To remove the metal grease filter, see the installation manual, which will detail the procedure for your model, act on handle “A” or “B” until it detaches from the front guide; then tip the filter slightly downwards and detach it from the rear guide. Fitting is the reverse operation.

The metal filters in the hoods are made of aluminium or stainless steel section, depending on the version and model, and the filter mesh is made of light alloy aluminium. It is important to remember that these filters must be changed for new ones when they are deteriorated, as they are an effective barrier to flames in case of sporadic fire (evidently they must be ALWAYS perfectly clean and free from grease).



It is recommended to wash them at least once every 15 days, depending on usage. As part of the maintenance of the filters, both aluminium and stainless, under normal average use, it is advisable to replace them at least once a year.

Work or dirty filters are a source of suction problems, as the accumulation of grease will impede free flow of air, result in unnecessary noise and dripping, as well as the accumulation of grease inside the hood and its components.

Filters can be hand washed with a standard detergent solution or in a dishwasher. It is recommended that hand washing be done without using SCOURING PADS, as this could damage the mesh, the best procedure is to wash by immersion and then rinse.



VERY IMPORTANT:

When washing in a DISHWASHER, take into account the instructions of the manufacturer regarding the washing of "ALUMINIUM UTENSILS". ALWAYS wash in a SHORT PROGRAMME WITHOUT DRYING OR SHINING and never hotter than 50°C. We recommend washing the filter alone, without any other utensils, so as to avoid bad smells caused by the filter remains affecting other kitchen utensils. When clean, leave to dry in the air.

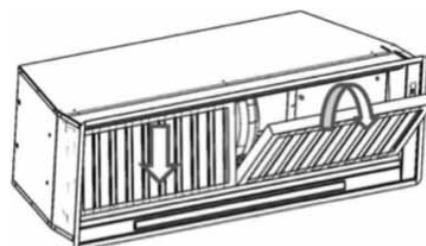
If drying and polishing programmes or high cleaning temperatures are used by mistake, the filters could be blackened or stained and the mesh could be damaged or even disintegrate.

STAINLESS LABYRINTH FILTERS

This type of filter is removed in different manners according to the model or version, consult the installation manual that came with the hood.

It can be cleaned by hand or in a dishwasher in the same manner as the mesh filters.

According to usage, the filter must be cleaned regularly, at least once every 2 months and depending on the version, if it has an oil collection tray, check it regularly and empty and clean before it overflows (optional depending on versions).



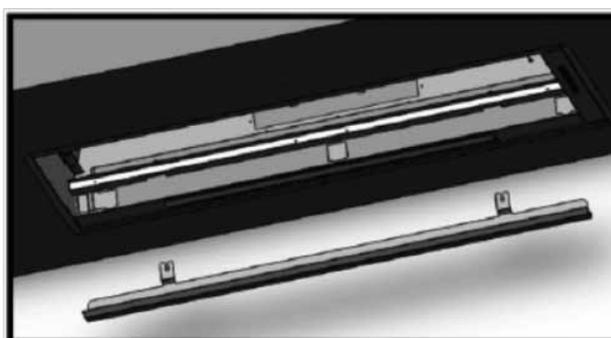
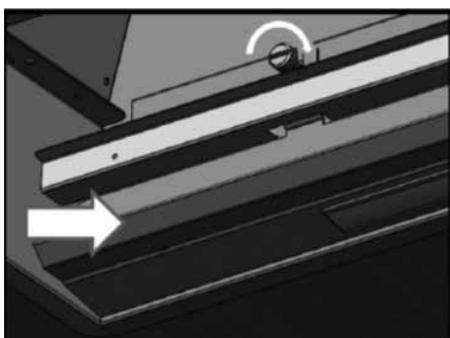
TRAY TO COLLECT OIL (Optional, depending on model and version)

The hood must be disconnected from the mains before carrying out maintenance or cleaning,

There are different systems or ways to remove the tray or tank according to model and version, as detailed in the attached installation manual. First remove the filters, with one hand hold the tank to avoid accidents or spills and with the other remove the securing screws or if it is secured by magnets, pull to remove.

Check the container for collecting grease and oil regularly, cleaning frequency will depend on usage, at least once every 2 months.

It can be cleaned by hand or in a dishwasher in the same manner as the mesh filters.



ACTIVE CARBON FILTERS (FCA) (Optional according to version, for hoods in Filter mode)

Recirculation or recycling of air extracted by a fume extractor hood is done through special active carbon filters. Its function is to purify the contaminated air:

This mode should only be used if it is not possible to install a fume conduit leading outside the kitchen or if an outlet causes noise or smell disturbance. The mode can also be used for ecological purposes, to avoid emitting pollutant gases into the atmosphere.

The incorporation of carbon filters will mean losing airflow in the hood and increasing noise levels, as the air is filtered through metal filters and the carbon filters. The fumes and smells are captured and recycled mostly directly, but there may be some fumes and above all some smell particles that the hood needs more time in operation to recycle, therefore it is always recommended to turn on the hood a few minutes before cooking and when you finish cooking, always leave it on until all the air in the kitchen has been recycled.

Removal and replacement of the activated carbon filter must always be done with the hood disconnected from the power supply completely off, since according to model and version must be manipulated inside the body of the hood. See manual assembly and installation in the bag attached documentation hood.

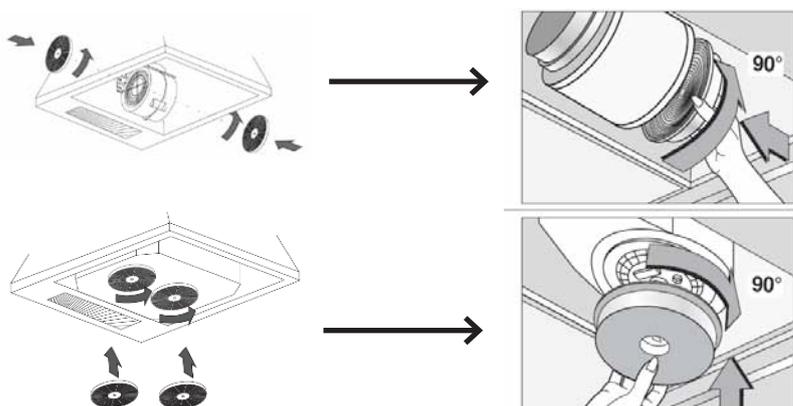
It is recommended to change the carbon filters every 2 - 6 months (depending on use and version), it is important to keep the metal filters clean and in perfect state, this will avoid shortening the life of the carbon filters, because they would end up getting soaked with grease particles that would block the surface fibres of the filter.

Active carbon filters (FCA) are not washable, nor can they be regenerated, once they have reached the end of their service life they must be replaced by new units.

This type of FCA filter is removed and replaced in different manners according to the model or version, consult the installation manual that came with the hood.

EXAMPLES OF FITTING AND REPLACING ACCORDING TO VERSION:

1. ROUND FCA FILTERS. Fitted threaded into the sides of the motor, using one quarter of a turn clockwise. It is recommended to replace them every 2 months.



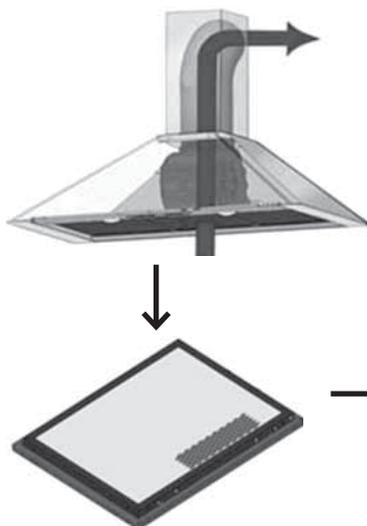
ACTIVE CARBON FILTERS (FCA) (Optional according to version, for hoods in Filter mode)

2. FILTRE FCA FILTER. Fitted in the space in the FCA tray, do not remove the FCA tray. It is recommended to change them every 3 months, they cannot be washed or reused.



WASHABLE AND REACTIVABLE ACTIVE CARBON FILTERS (FCLR)

(Optional depending on version, for hoods in filter mode)

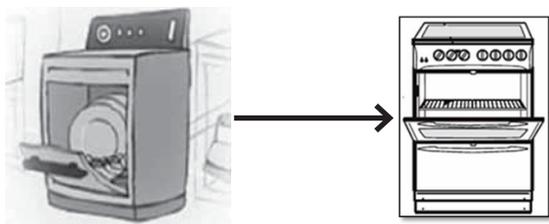


When the hood is used in average conditions, it is recommended to remove the FCLR filters and clean them approximately once a month.

Detach the FCLR carbon filter from the grease filter by pressing on the two tabs on the frame of the carbon filter and detach it at the same time as the grease filter.

CLEANING AND REACTIVATING THE FCLR FILTER:

Wash the FCLR carbon filter in a dishwasher at the maximum temperature with normal cleaning products; minimum temperature 65°C. We recommend washing the filter alone, without any other utensils, so as to avoid bad smells caused by the filter remains affecting other kitchen utensils, When clean, leave to dry in the dishwasher or in the air.



Reactivate the carbon filter by placing it in the oven at a temperature never exceeding 100°C for about 10 min.

In normal use of the hood, after successive regeneration cycles, the F.C.L.R carbon filter tends to have less capacity to absorb smells. **It is recommended to change the filter every 3 years.**

9.3. MAINTENANCE OF THE LIGHTS:

Removal and replacement of the lamps is made according to model or version of different forms, consult the manual assembly and installation in the bag attached documentation of the hood.

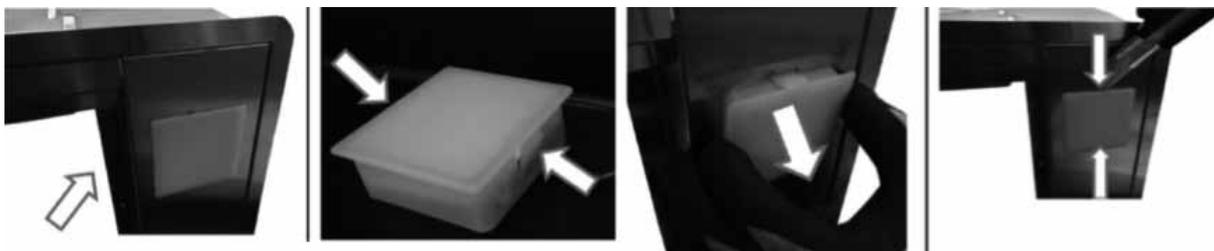
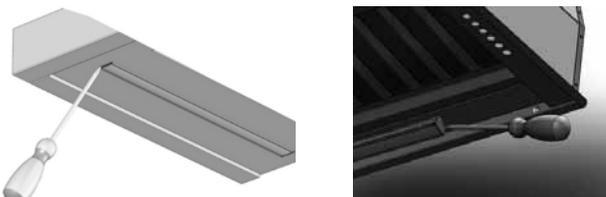
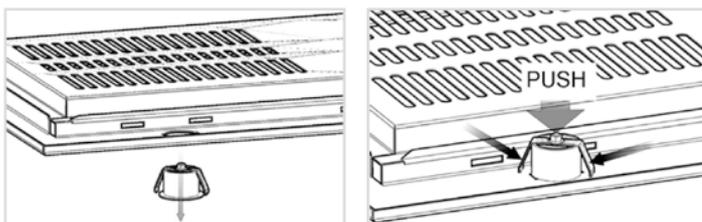
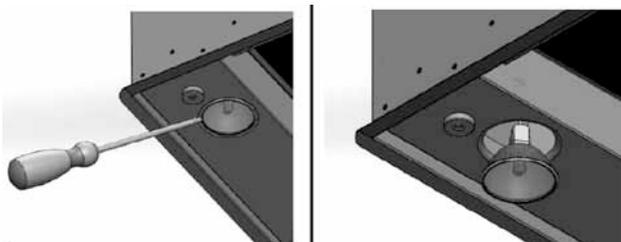
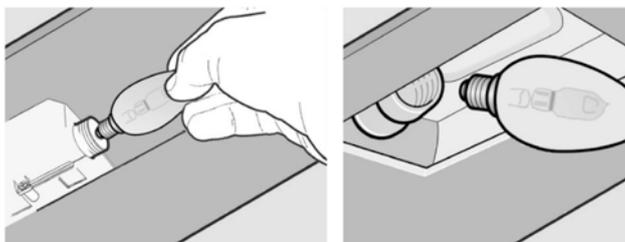
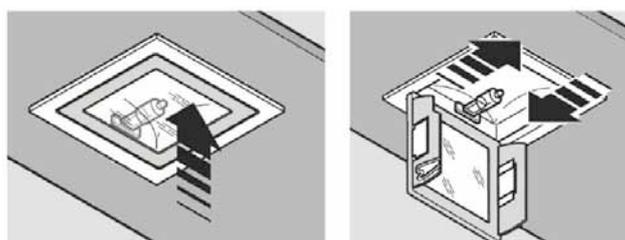
Changing the lamps must always be done with the hood disconnected from the mains, completely switched off, as internal electrical parts must be handled.

The lights are a component subject to wear and sensitive to improper handling, therefore they are not covered by the guarantee.

ATTENTION!

LED type lights involve a complex manipulation in addition to an air connection involving an internal connector risk of electric shock, therefore this type of handling must be done by the Pando official technical service or a qualified and authorized professional. The manufacturer will not be liable for any damage caused by mishandling of the LED lights by unauthorized personnel.

The original product LED lamps can purchase through the official technical assistance service Pando, user other than or equivalent to the original can cause damage or malfunction of the product that would not be covered by the manufacturer's warranty. The reference and characteristics of the lamps are described in the manual assembly and installation in the bag attached documentation of the hood.

EXAMPLES OF FITTING AND REPLACING ACCORDING TO VERSION:**1. SQUARE LED 2.1W, 12vDC, 700Ma.****2. LED MODULE OR STRIP** (Different characteristics, consult the installation manual).**3. LED 1.2W, 12vDC, 350mA.****4. LED 4W, 12v AC/DC, GU5.3.****5. CANDLE BULB 28W, 220vAC.****6. BI-PIN BULB 20W, 12vAC, G4.**

10. TROUBLESHOOTING:

PROBLEM	SOLUTION
<p>The hood does not work, neither the motor nor the lights.</p> <p>(Hood with control panel)</p>	<p>-Make sure the hood is connected to the mains, check that it plugged in and that the electricity is working, check if the circuit breaker has tripped.</p> <p>-Only in some models (especially those with a remote control), the hood has an emergency switch, make sure that it is ON.</p> <p>-Reset as follows:</p> <ol style="list-style-type: none"> 1. Disconnect the hood from the mains with the electric panel circuit breaker and wait for 2 minutes before reconnecting. <p>-If the problem is still not solved, contact Pando official technical service.</p>
<p>The hood does not work, neither the motor nor the lights.</p> <p>(Hood without a control panel, controlled with a remote control)</p>	<p>-Make sure the hood is connected to the mains, check that it plugged in and that the electricity is working, check if the circuit breaker has tripped.</p> <p>-The hood has an emergency switch, make sure that it is ON.</p> <p>-Reset as follows:</p> <ol style="list-style-type: none"> 1. Disconnect the hood from the mains with the electric panel circuit breaker and wait for 2 minutes before reconnecting. <p>-Check that the remote control battery is Ok, if not change the battery.</p> <p>-Synchronise the control with the hood as follows:</p> <ol style="list-style-type: none"> 1. Disconnect the hood from the mains with the electric panel circuit breaker and wait for 1 minutes before reconnecting. 2. Once the power has been reconnected to the hood, before 20 seconds pass, press the light key of the remote control several times, until the hood lights switch on. <p>-If the problem is still not solved, contact Pando official technical service.</p>
<p>The lights do not work.</p>	<p>-Check that the light is well connected and in good state.</p> <p>-If not replace the light. (In the case of an LED light, replacement must be done by the Pando official technical service or a qualified professional)</p> <p>-If the problem is still not solved, contact Pando official technical service.</p>
<p>Hood with a Touch control, No. 1 flashing.</p>	<p>-Flashing of No. 1 light indicates that the filters are saturated, follow the process for resetting and manual maintenance of the panel. See section 7.2.</p>
<p>No. 2, 3 or 4 on the panel flashing.</p>	<p>-Indicate that the Ecodesign timer function is active, see section 7 of the manual.</p>

PROBLEM	SOLUTION
<p>The hood turns on by itself.</p>	<p>-In the case of remote controlled hoods or hoods prepared for remote control this can happen exceptionally. As the hood has a receiver which responds to a recorded code, it could happen that there is a hood nearby that is controlled with a remote control using the same code and this could affect your hood. To solve this problem, change the code of the receiver module, using the process for changing the control code and synching with your hood. Follow the instructions of your remote control in the section changing code and synching.</p> <p>-If the problem is still not solved, contact Pando official technical service.</p>
<p>The hood turns off by itself.</p>	<p>-Make sure that the Last Time function was not active, this function will turn off the hood completely after a few minutes.</p> <p>-In the case of remote controlled hoods or hoods prepared for remote control this can happen exceptionally. As the hood has a receiver which responds to a recorded code, it could happen that there is a hood nearby that is controlled with a remote control using the same code and this could affect your hood. To solve this problem, change the code of the receiver module, using the process for changing the control code and synching with your hood. Follow the instructions of your remote control in the section changing code and synching.</p> <p>-If the problem is still not solved, contact Pando official technical service.</p>
<p>The hood makes a lot of noise or vibrates a lot.</p>	<p>-Check the conduit installation, as some circumstances can increase the noise level and vibrations, such as:</p> <ol style="list-style-type: none"> 1.An exhaust conduit that has been badly sealed and badly secured. 2.A conduit with less diameter than recommended. 3.Bends or narrowing close to the motor outlet. 4.Objects obstructing the natural air outlet of the conduit. 5.Badly installed hood, not all the supports and fasteners supplied have been used. <p>-If the problem is still not solved, contact Pando official technical service</p>
<p>The engine does not work.</p>	<p>-Reset as follows:</p> <ol style="list-style-type: none"> 1.Disconnect the hood from the mains with the electric panel circuit breaker and wait for 2 minutes before reconnecting. <p>-In case of a motor outside the hood, check the connections between the motor and the hood. (This should be done by a Pando official technical service or a qualified professional)</p> <p>-If the problem is still not solved, contact Pando official technical service.</p>

PROBLEM	SOLUTION
Hood does not extract well.	-Check that the installation and usage conditions are Ok. See section 2 in the manual.
The hood creates a lot of condensation.	-See attached bulletin for possible causes and recommendations.

BULLETIN WITH RECOMMENDATIONS IN CASE OF EXCESSIVE CONDENSATION:

Condensation is caused by temperature differences between surfaces, causing thermal shock which leads to the forming of droplets that end up dripping onto the cooking area. **This is especially present when using induction cookers**, as they only heat the cooking utensils and not the surrounding air, therefore the lower area of the hood is cold and when it comes into contact with emissions of steam with water and grease particles, these cool rapidly on the hood surface and generate droplets that end up dripping down. **This effect is not present or only present to a lesser degree with Gas or Ceramic cookers**, as these do heat up the surrounding air and pre-heat the lower part of the hood, thus avoiding a thermal shock.

If the evacuation conduit is not adequate, the problem will be worse as the lack of airflow due to irregularities in the conduit and the decreased speed of the air will also be the cause of internal condensation inside and outside the hood. For example, if the conduit is narrower than the manufacturer's recommendations, the airflow will be significantly reduced and the vapour will not be totally evacuated, the surplus remaining inside and outside the hood, cooling and accumulating on the hood surfaces, causing dripping.

When using induction cooktops, if you do not choose the right speed according to the cooking done, this condensation problem could arise or worsen.

Usage advice to avoid or minimise condensation: (This advice is useful if the installation and conduits are correct, and the motor power is adequate).

- A)** The hood should be connected 5 minutes before starting to cook and when you have finished, set the timer (LAST TIME) to evacuate the fumes in the conduit. This will totally evacuate the fumes.
- B)** Do not use the cooktop at maximum power from the beginning, i.e., start on low or medium power so as to give the steel or glass on the lower part of the hood time to warm up. If the type of cooking creates a lot of steam, use the hood at maximum power.
- C)** Keep the filters clean, they should be cleaned at least every 10 days and replaced if damaged, following the advice and frequency recommended by the manufacturer.
- D)** Have a continuous entry of air into the room, not generating adequate and fluid suction in the hood and stabilising the relative humidity of the atmosphere (ventilation grille, semi-open window...)

INOXPAN S.L. will not be held liable for the correct operation of their products if they are not connected to an installation with an adequate conduit diameter as specified in the Ø table with motor version.

11. POST-SALES SERVICE (SAT) AND GUARANTEE:**INOXPAN S.L.****TELF. 902 41 55 10 / FAX: 93 757 96 53****E-MAIL: divisiontecnica@pando.es****WEBSITE: <http://www.pando.es/asistencia-tecnica/>**

To request technical assistance, either under guarantee or not, you can call to the above mentioned phone or send a fax or e-mail. Interventions will be covered under guarantee **only** if they are attributable to a product defect.

GUARANTEE CERTIFICATE:

INOXPAN, S.L., being the manufacturer of this appliance, guarantees it against all manufacturing defects for a period of two years from the moment of purchase.

During this period, the Company will replace free of charge any faulty component and repair any manufacturing defect including the labour costs, to make it work correctly again.

Costs of materials, labour and transport of the technical service will not be covered by the guarantee in the following cases:

- Breakdowns or damage caused by transport or intervention of unauthorised personnel. Dents and scratches caused by careless handling, installation or use.
- Problems caused by inadequate installation of the hood or the extraction conduit.
- Undue manipulation of wiring and connections of the interior, exterior or roof motor of the hood.
- Revisions of the installation or operation, cleaning or maintenance of hoods and conduits.
- Aesthetic components, wear and tear, such as light covers, glass, filters and bulbs.
- Rust or stains on the steel caused by improper application or unprotected exposure to corrosive elements such as cleaning products not recommended by the manufacturer, containing corrosive chemicals, as well as exposure to sea breeze (Saltpetre). See section 9.
- Breakdowns and damage caused by variations in power supply or natural disasters such as storms, lightning, floods, etc.
- When the appliance is used for Non-domestic purposes, which it is not designed for.
- Malfunctioning of the hood due to non-compliance with regulations, instructions and recommendations given in the instruction manual of the appliance.

INOXPAN, S.L., will not be held liable for any damage or harm caused by breakdowns or failure of the appliance attributable to incorrect handling.

This guarantee is only valid if duly filled in. It must state model, serial number, stamp of the establishment or distributor and must be accompanied by the purchase invoice indicating the date of purchase.

Anything not expressly established in this Certificate will be governed by the General Law for the Defence of Consumers and Users, Law 26/84, of 19 July, as well as the Ley de Ordenación Comercio Minorista (Retail commerce law) Law 7/96, of 13 January.

MODEL AND VERSION			
REGISTRATION NUMBER:		DATE OF PURCHASE:	
RETAIL OUTLET:		STAMP OF THE SELLER:	



Certificado de Empresa de Gestión de la Calidad UNE-EN ISO 9001:2008



The International Certification Network Quality Management System ISO 9001:2008



(*) Certificación de Producto AENOR UNE-EN 60335



(*) Certificación de Producto U.L. (U.S.A. - Canadá) U.L. 507-2014



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