

Vallox Capto PTC EC

Manual






The Vallox Capto PTC EC control hood is suited to controlling EC roof fans and Vallox ventilation units.

The cooker hood is designed to be used above the cooker top, as a general extraction valve in the kitchen, and as a ventilation system control panel.

VENTILATION CONTROL

Apartment-specific ventilation units allows residents to adjust the ventilation efficiency. Ventilation is controlled based on the need e.g. through the cooker hood, ventilation control panel, or a separate control centre.

- 1  **Away profile**
The ventilation efficiency can be temporarily reduced when the apartment is unoccupied.
- 2  **At home profile**
Ventilation must be continuous, i.e. the air inside the building must be replaced at least once every two hours.
- 3  **Boost profile**
Cooking, sauna, bathing, drying of clothes, excessive heat, and other similar situations can require that ventilation be increased from the standard setting. In such a situation, ventilation must be increased.

It is recommended that ventilation be left turned on during long holidays also. This keeps the indoor air fresh and prevents humidity from condensing in the ventilation ducts and structures. It also reduces the risk of moisture damage.



PLEASE NOTE!

- Neglecting the cleaning of the grease filter can cause a fire hazard.
- The outer surfaces of the hood can become hot when the cooker or the oven is turned on.
- Flaming is forbidden underneath the cooker hood.
- Always follow the instructions provided on adjusting the efficiency of ventilation.
- Enable a sufficient supply airflow into the room if the cooker hood and non-electric devices are used simultaneously.

USING THE UNIT

The cooker hood has a sliding glass that can be pulled out of the cooker hood. It is recommended that the sliding glass be pushed or pulled from the aluminum strip on its front edge. Pull the glass out of the cooker hood for maximal extraction capacity.

Front panel buttons

The front panel of the cooker hood has four buttons.



Position of the damper

In normal circumstances, the damper must be closed (the signal light is off), which boosts the extract air flow from other premises.

The damper must be open (the signal light is turned on) **when the user wants to increase the extract air flow from the cooker hood e.g.**

- when the cooker top or the oven is used for cooking;
- the load in the kitchen is exceptional due to the use of strong detergents, presence of a large number of people, or similar.



Cooker hood light

Turn the light on or off by pressing the light switch. The light is dimmable. Adjust the brightness by pressing the light switch until the brightness is adequate.



Ventilation profiles

Select the profile by pressing the ventilation profile button repeatedly until the signal light indicates the desired ventilation profile.



Away profile



At home profile



Boost profile

Settings button

The settings button is roughly 2 cm to the left from the light switch.

Other functions

Guard function

The cooker hood is equipped with a guard function that is activated when the temperature of the cooker hood exceeds 60°C or after a sudden increase in temperature (> 8°C/min). In such a case, all signal lights of the cooker hood and the LED light will flash. If this kind of alarm is noticed before fire damage, it can be acknowledged by pressing any of the cooker hood buttons.

Pre-setting of light brightness

To modify the pre-setting of light brightness:

1. Turn on the light, close the damper, and set the ventilation to the Away profile.
2. Press the settings button for roughly 3 seconds until the setting mode signal light starts to flash.
3. Adjust the brightness of the light by pressing the light button until the brightness is adequate.
4. To save the setting, press the settings button for roughly 3 seconds until the setting mode signal light stops to flash.

To read about the other functions of the settings button, go to our website, www.vallox.com.



WARNING!

The unit is not intended for use by children under 8 or by persons with reduced sensory, physical or mental capabilities, or whose lack of knowledge and experience do not ensure safe operation of the unit. Such persons can use the unit under supervision, or by following the instructions of someone who is responsible for their safety. Do not let children play with the unit or to clean or maintain it without supervision.

MAINTENANCE

Keep the cooker hood clean. Wipe outer surfaces regularly with water containing a small amount of a mild detergent. Clean off any grease stains immediately. Do not use abrasive or corrosive detergents or tools.

Keep the grease filter clean to ensure an adequate extract air flow. The grease filter must be washed with warm water and detergent at least 1-2 times a month.

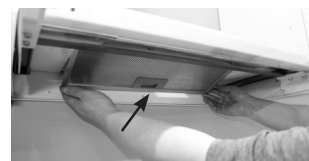
Light

The cooker hood has a long-lasting LED lighting module. If the light is not working, contact a servicing company.

Removing and mounting the grease filter



Removing the filter



Mounting the filter

- Pull the locking device of the grease filter towards the front edge of the cooker hood while pulling the grease filter downwards until it comes off.
- Wash the grease filter and leave to dry.
- Mount the grease filter back in place. Push the front edge of the filter into the pins on the cooker hood, and click the rear edge in place.

NOTE! Ensure that the locking device points downwards.

INSTALLATION

In the example, the bottom of the sides and the rear of the hood are level with the bottom of the top cabinets (see figures 1-2). In this case, a specially made cover panel is needed to hide the hood. The height of the cover panel is roughly 210 mm.

The hood can also be installed higher, even so that it touches the frame of the spice cabinet. In this case, rear corners need to be sawn off from the spice cabinet frame (see figure 3). In this mounting method, the height of the hood cover panel is 100 mm.

When the lowest possible mounting height is used, the bottom edge of the sliding glass, when pushed inside the hood, is level with the bottom of the top cabinet frames (see figure 4). The L strip is mounted on the wall as shown in figure 5. In this mounting method, the height of the hood cover panel is roughly 248 mm.

Figure 1.

Remove the spice cabinet. Mount the L strip on the wall so that it is level.

The L strip fully covers the gap between the hood and the wall and also makes it easier to balance the hood in place during mounting.

If the top cabinet frames are less than 305 mm deep, the longer edge of the L strip is mounted on the wall. The perforations on the lower surface of the L strip can be covered using white plastic studs.

Figure 2.

Place the hood on top of the L strip so that it is level and fasten the hood on the top cabinet frames with four screws. It is vital that the hood is both vertically and horizontally level. The front panel of the hood must be at the same depth as the outer surface of the top cabinet doors.

Figure 3.

If the highest possible mounting height is used, saw off diagonal pieces measuring at least 20x50 mm from the spice cabinet frame.

Figure 4.

The hood when the lowest possible mounting height is used.

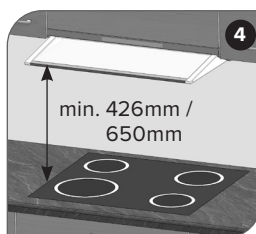
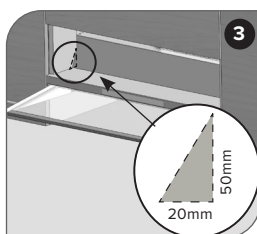
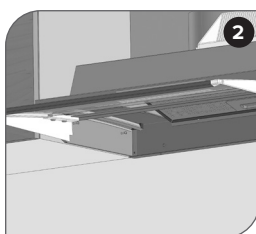
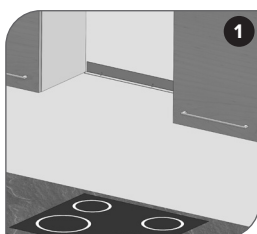


PLEASE NOTE!

The minimum distance of the bottom edge of the hood to an electric cooker is 426 mm and to a gas cooker 650 mm.

Figure 5.

Location of the L strip when the lowest hood mounting height is used.



PLEASE NOTE!

- The cooker hood must not be connected to a flue that is used for removing combustion gases (e.g. from a wood- or gas-burning fireplace, cooker, or stove).
- Fans that are controlled through the cooker hood must have an engine cover and their maximum power is 340 W.
- Regulations on leading extraction air outdoors must be observed.



PLEASE NOTE!

- The power outlet used for the cooker fan must be easy to access.

Setting the ventilation profile

As the default factory setting, PTC EC hoods have the following fan control voltages:

Away: 3.0 VDC | At home: 6.0 VDC | Boost: 9.0 VDC

To adjust the control voltage:

Close the damper, turn off the lights, and select the At home ventilation profile.

Press the settings button for roughly 3 seconds until the setting mode signal light starts to flash. The signal light will flash in a series of five flashes to indicate that the 5 VDC control voltage is set.

Press the ventilation profile button. The signal light will flash in a series of five normal + one quick flashes (5.5 VDC).

Press the ventilation profile button. The signal light will flash in a series of six flashes (6.0 VDC).

Press the ventilation profile button. The signal light will flash in a series of six normal + one quick flashes (6.5 VDC).

Keep on pressing until you reach the maximum voltage of 10 VDC. Next, press the ventilation profile button, which sets the control voltage at 2.5 VDC. After this, the voltage will increase by 0.5 VDC at a time.

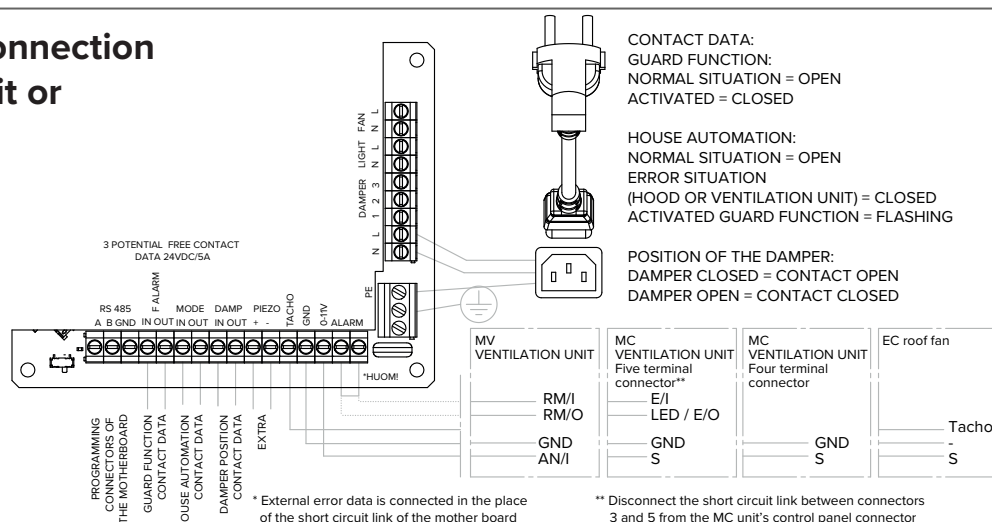
Save the selected control voltage by pressing the settings button until the signal lights flash. Saving the fan speed of the At home profile also adjusts and saves the fan speed of the Away and Boost profiles.

The efficiency of the Away and Boost profiles can also be adjusted separately. In this case, adjusting only affects the profile that is selected. The profile that is to be adjusted needs to be selected when moving to the setting mode.

Alternatively, the control voltage can be controlled using a general meter. For that purpose, there are probes at the bottom of the filter enclosure (see figure).



External electrical connection to the ventilation unit or a roof fan

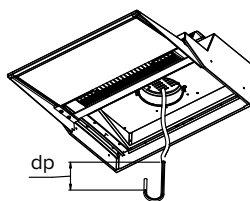


Measuring and adjusting performance values

Standard ventilation

The volume flow rate of the air inside the cooker hood is measured with the damper closed and, where required, adjusted based on the static pressure loss and the performance scheme of the cooker hood.

- Measure the static pressure loss of the cooker hood by pushing the probe through the hole in the damper (see the figure).
- Determine the volume flow rate from the performance scheme based on the measured pressure and the number of open holes in the damper.



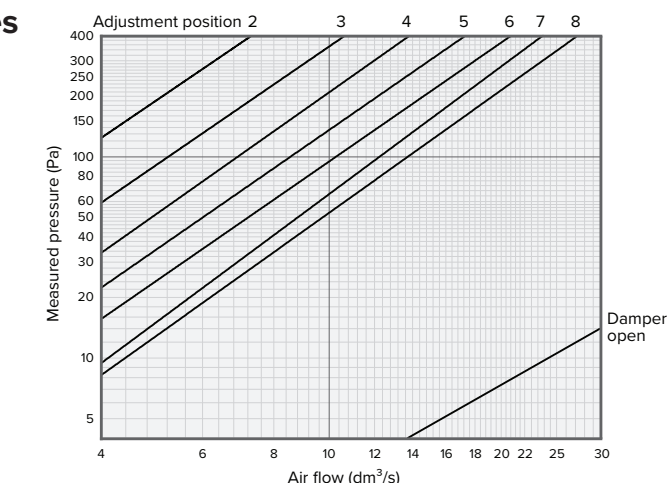
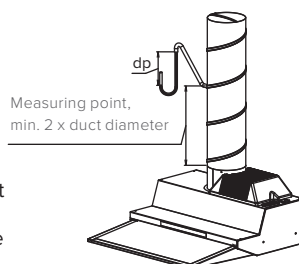
Adjustment:

- Cover the required number of holes in the damper with the magnetic strip that is delivered with the cooker hood.

Boost ventilation

The volume flow rate of the air inside the cooker hood is measured with the damper open based on the static pressure loss and the performance scheme of the cooker hood.

- Measure the static pressure loss of the cooker hood. The measuring point must be located 2 times the duct diameter above the outlet collar of the cooker hood (see figure).
- Determine the volume air flow based on the measured pressure and the performance scheme (with the damper open).



Standard ventilation (settings 2-8)

	K VALUES		
	Adjustment position	Holes of the damper open	K value
STANDARD VENTILATION	2	2	0,4
	3	3	0,5
	4	4	0,7
	5	5	0,9
	6	6	1,0
	7	7	1,3
	8	8	1,4
	Damper open		8,5