

NORDcanopy

HM 1.1 Control Unit and Water Supply
Maintenance and Usage Manual

Contents

WARNINGS!	3
1. ETS NORD kitchen canopy maintenance instructions	3
1.1 Removing the HFM labyrinth filters, hatches and hatch beams	4
1.2 Reinstalling the HFM labyrinth filters, hatches and hatch beams	4
1.3 Water supply unit wound filter	5
1.4 Cleaning the water nozzles	5
2. HM 1.1 system description	7
2.1 Description of a system without disturbances	8
2.2 Description of a system with a disturbance – water supply line emergency	8
2.3 Description of a system with a disturbance – power failure	9
2.4 Maintenance	9

WARNINGS!



Risk of falling!

Make sure installation and service personnel have stable work platforms when installing the device.



Risk of electric shock!

Electrical connections to the system may only be made by an authorized electrician.



Always power off the system and disconnect (by the plug) from the mains before any maintenance work!



When removing the filters, make sure that the system is not working!

1. ETS NORD kitchen canopy maintenance instructions

- The frequency of cleaning the canopy depends on its use and should be determined based on the intensity of kitchen use. To ensure the best hygiene, fire safety and functionality, it is important to maintain cleanliness in the entire kitchen, including the appliances located in the kitchen. The canopies are cleaned by gently wiping them with detergents suitable for stainless steel. The use of highly alkaline substances (pH > 11) must be avoided.
- All internal and external surfaces of the kitchen canopy, including light fixtures, are cleaned using neutral cleaning agents. Carefully rinse the surfaces after cleaning, to avoid harmful interactions of cleaning agents and high temperatures.
- Canopy labyrinth filters and protective shields should be washed up to once a week, depending on the intensity of use of the canopy - this significantly increases the efficiency of the filters, which means that even less grease reaches the ventilation system.
- To clean the exhaust chamber HFM labyrinth filters are removed from the kitchen canopy. To clean the supply chamber, the front panel of the kitchen canopy is opened, and the control buttons are disconnected from the control unit, the front panel is then removed as is the control unit (if there is any).

ATTENTION! When performing canopy maintenance, you must always shut off the system from the buttons located on the canopy.

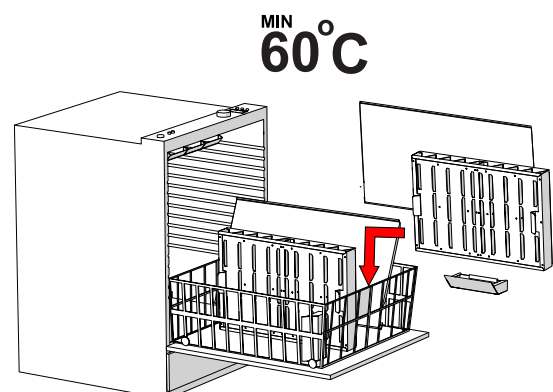
ATTENTION! Do not use hard or abrasive detergents, chlorine or bleach when cleaning the canopy!

Never clean the kitchen canopy when any of its surfaces are hot or in use.

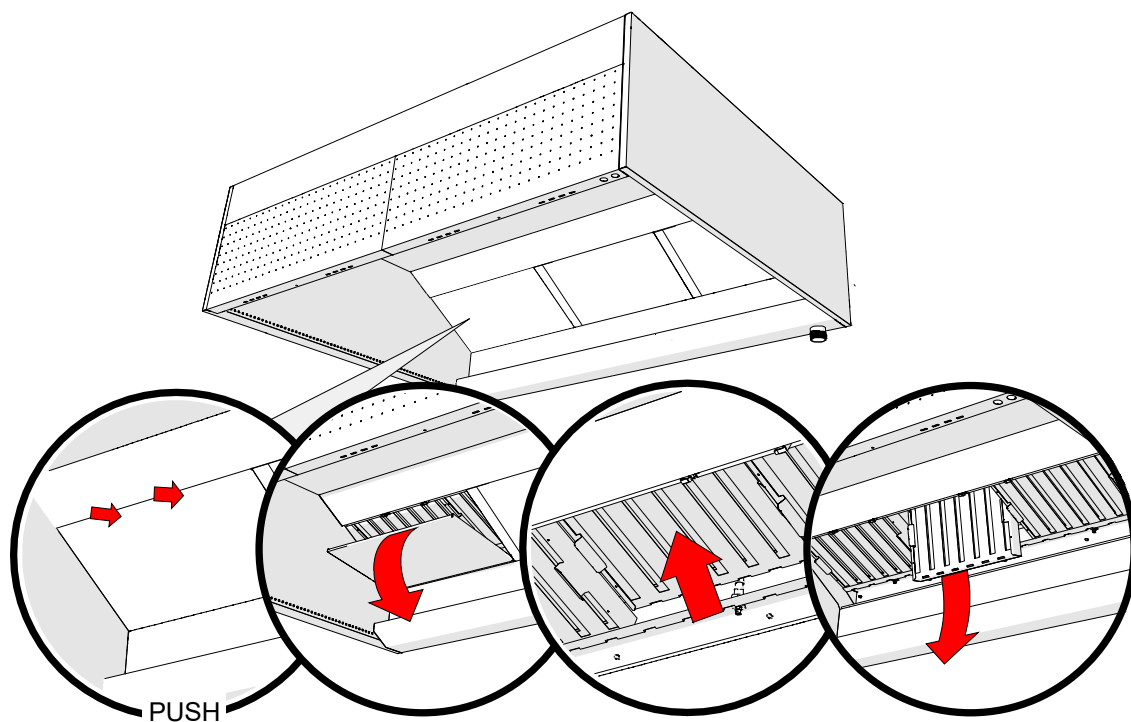
The HM 1.1 control unit must be removed from the canopy before any cleaning of the canopy's interior or exhaust ductwork is carried out.

Never pour water or liquid cleaning agents onto or into the HM 1.1 control unit.

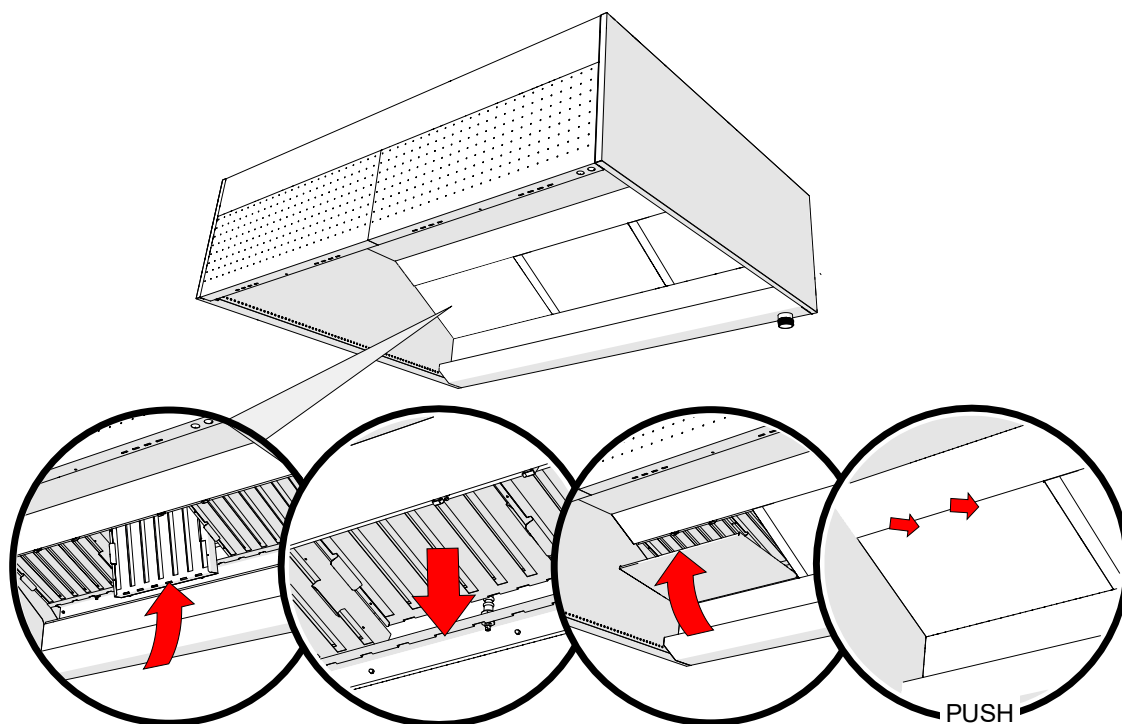
Protective shields and HFM labyrinth filters can be washed by hand, dishwasher or cleaned with steam.



1.1 Removing the HFM labyrinth filters, hatches and hatch beams

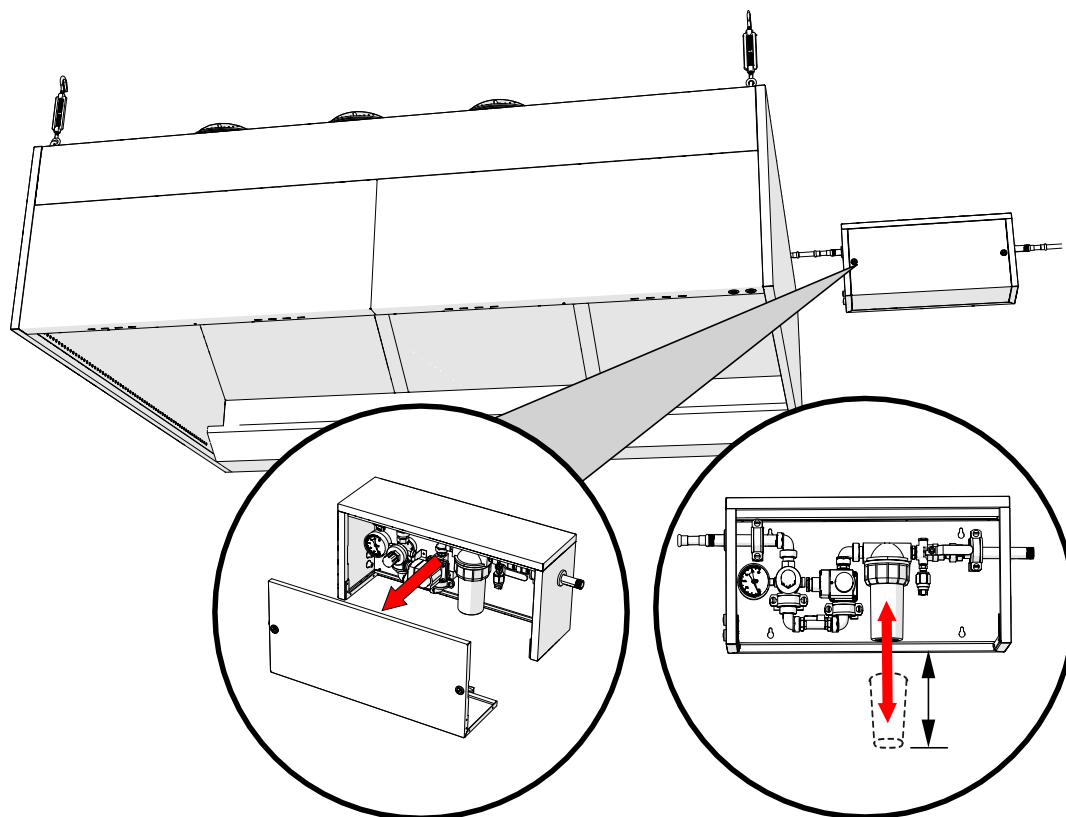


1.2 Reinstalling the HFM labyrinth filters, hatches and hatch beams



1.3 Water supply unit wound filter

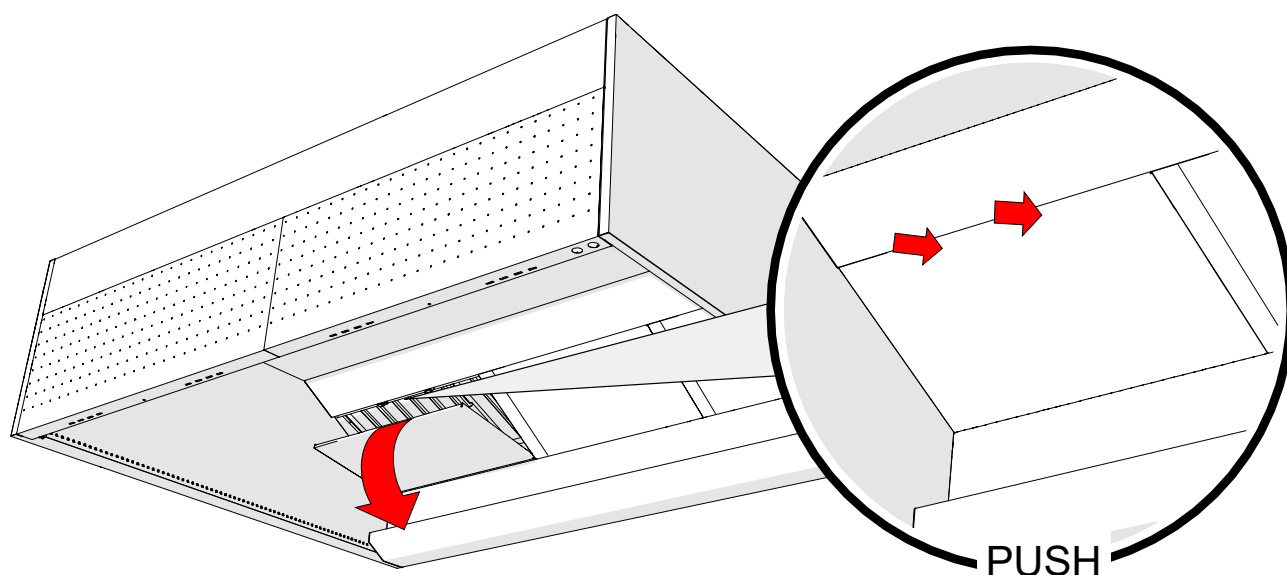
At least once a month a visual inspection of the HM 1.1 water supply unit wound filter must be performed as the filter becomes dirty over time. The wound filter itself must be exchanged every 3-6 months.

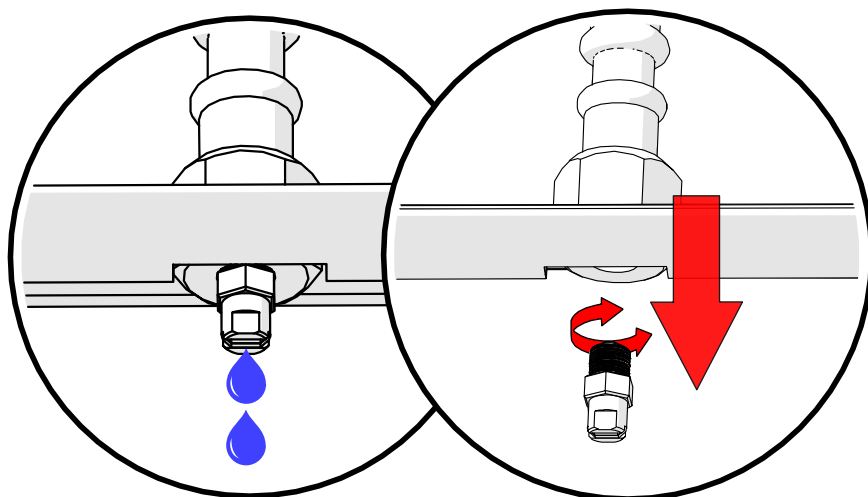


1.4 Cleaning the water nozzles

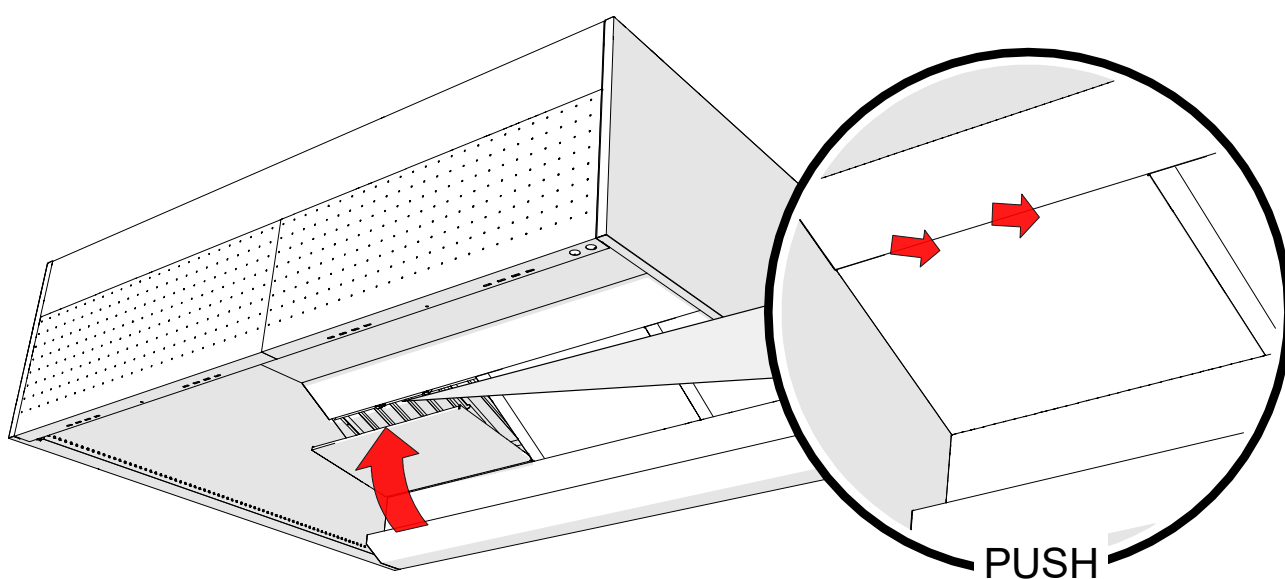
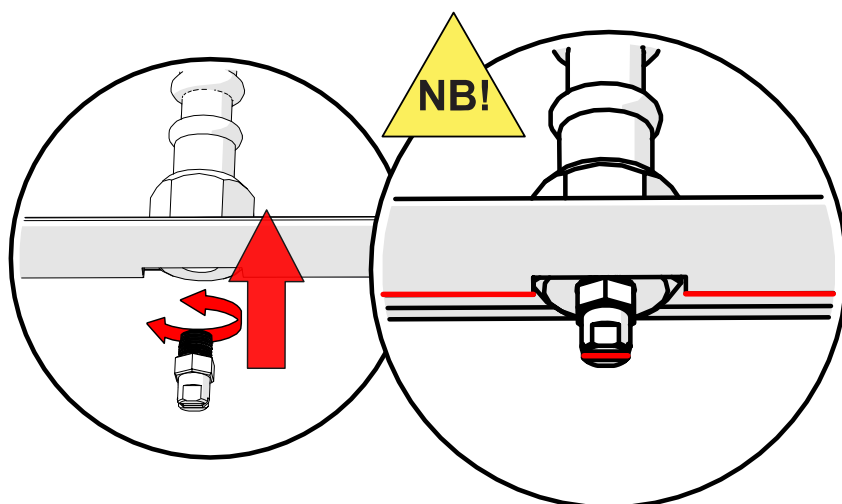
Once a month clean the water nozzles using a regular descaling product. To access the water nozzles, remove the hatches, beams and spray the descaling product onto the nozzle. After a few minutes use a cloth to remove the descaling agent.

If the water nozzle is experiencing a more severe scaling, then remove the water nozzle and soak the nozzle in a descaling agent solution for some time until the scale blockage is removed.





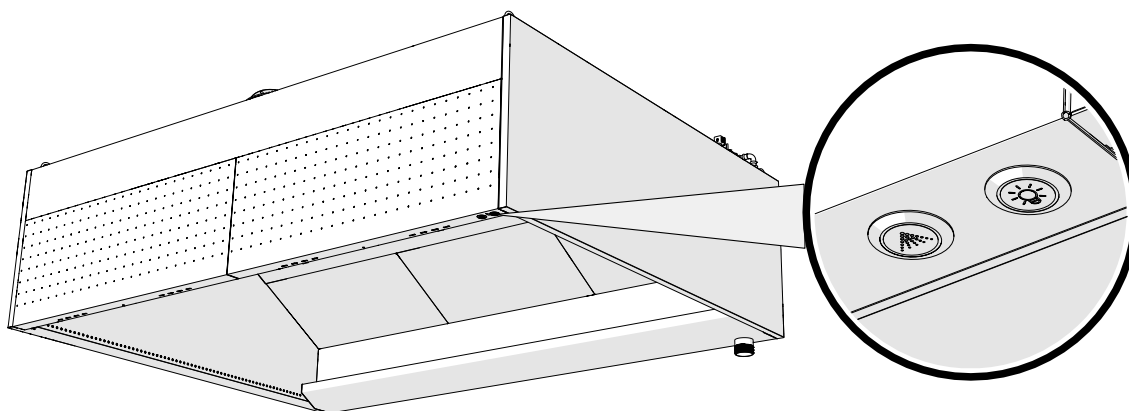
When reinstalling the water nozzles make sure that all the water nozzles are in line so that the water spray is parallel to the rear wall.



NB! Once a day for at least 30 min. activate the watermist, this helps to prevent water nozzle blockage.

2. HM 1.1 system description

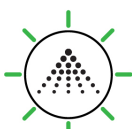
The operation of the HM Watermist canopy is controlled using buttons located on the lower right side of the canopy's front panel.



The lighting button controls the canopy lights.



The watermist button controls the water mist function.



The button's blinking light indicates that the system is ready for work (stand-by mode).



The button's continuous light indicates that the system is working (active mode).
The button has been activated.



The operation and button indications of the HM Watermist canopy depend on the disturbances affecting the system operation and whether the system has implemented the use of the work permission.

The HM Watermist canopy can receive work permission from the building management system, or a fire extinguishing system integrated with the canopy.

Application of the work permission is not mandatory.

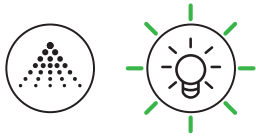
2.1 Description of a system without disturbances

The following describes the system's operation and status indications when there are no faults in the system and the work permission has been issued.

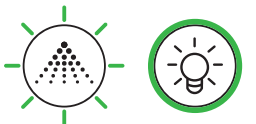
NB! Canopy lights must be turned on for the water mist to work.

NB! When the canopy lights are turned off the water mist will automatically be turned off as well.

NB! If the canopy lights are not turned on, then the water mist button will not work.



The water mist and lights are not working.
LED notification panel lights are off.



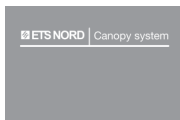
Lights are turned on and the water mist is ready for activation (standby mode).



Both lights and water mist have been turned on.



Canopy exhaust dampers will open when the water mist is turned on.

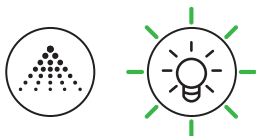


The LED notification panel will light up with the words “ETS NORD Canopy system”. This means that the water mist is working.

2.2 Description of a system with a disturbance – water supply line emergency

The following describes the system's operation and status indications if there is a malfunction in the system due to a lack of pressure or water flow in the water supply line.

NB! A live fire under the canopy must be extinguished immediately!



If there is no pressure in the water supply line, the LED notification panel will display the message “Call service”, which means that there is a critical error in the system.



If the lights are turned on and an emergency occurs in the water supply line, the system will activate emergency mode during which the canopy light will start blinking.
The light will blink 7 times and then remain turned on for 20 minutes. This cycle will repeat until the water supply line emergency has been fixed.
In emergency mode, the water mist button will not work. If an emergency occurs while the water mist is operating, the water mist will be shut down.



Canopy exhaust dampers will close when there is a water supply line emergency.



The LED notification panel will display a “Call service” message in red, which means that a critical error has occurred in the system.

2.3 Description of a system with a disturbance – power failure

The following describes the system operation and status indications if there is a power outage during system operation.



Water mist and lights buttons will not work.



The water mist will not activate, and the solenoid will be closed.



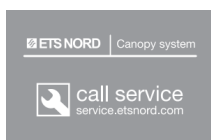
Canopy exhaust dampers will close.



LED notification panel lights are off.

2.4 Maintenance

The system displays the need for maintenance every six months, or 182 days, during which time the system continues to operate normally.



If service is required, the LED notification panel will display the message **“Call service”** in white.



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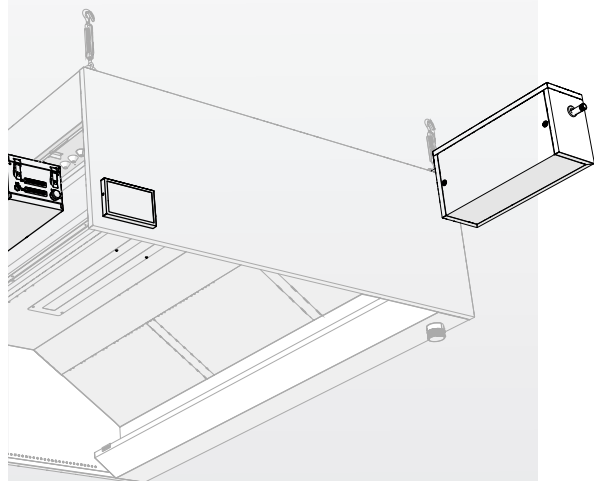
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