DEMANDEZ PLUS
À LA VENTILATION

HUMIDITY-CONTROLLED MECHANICAL EXTRACT VENTILATION

MODULVENT HYGRO



INSTALLATION & MAINTENANCE MANUAL

VENTILATION HYGRORÉGLABLE

81/01-CHY5-2325
www.eurovent-certification.com

09.2026

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I. SAFETY INSTRUCTIONS AND REGULATORY INFORMATION

READ THESE INSTRUCTIONS BEFORE INSTALLING THIS PRODUCT
PLEASE KEEP THESE INSTRUCTIONS

SWITCH OFF YOUR APPLIANCE BEFORE CARRYING OUT ANY WORK

PRECAUTIONS AND RESTRICTIONS ON USE

This appliance is intended exclusively for domestic use and is designed to provide air exchange within a dwelling.

- Install the unit in a normally clean and dry environment, protected from the elements, water run-off and any direct exposure to water or condensation.
- Do not install this product in locations where any of the following conditions exist or are likely to arise in the future:
  - Corrosive or flammable gases, liquids or vapours.
  - Ambient temperatures above 60°C or below -20°C.
  - Potential obstructions that may prevent access to or removal of the fan.
- Do not use the unit to extract air heavily laden with dust, fumes, chemical vapours or other substances likely to deposit on the unit's components.
- The wiring must comply with the standards in force in your country and must be installed by a suitably qualified person.
- The electrical connection must be made to an installation carried out by a professional in accordance with the requirements of standard NF C15-100, or the applicable local standard. In particular, a contact separation device with a contact gap of at least 3 mm on each pole, as well as a protection device with a suitable rated current, must be provided in the fixed wiring (circuit breaker). The cross-sectional area of the copper conductors must be at least 1.5 mm².
- Ensure that the mains supply (voltage, frequency, and phase) complies with the specifications on the fan's rating plate. An inadequate power supply, poor electrical installation or incorrect connections when connecting cables to the terminal blocks may cause serious incidents such as short circuits or fire. The installer must ensure that electrical protection devices compliant with current regulations are installed, along with a disconnect switch upstream of the product's electrical connection.
- Appropriate precautions must be taken to prevent the backflow of gases from a flue or other fuel-burning appliances in the room.
- Use the appliance only for its intended purpose.

The manufacturer accepts no liability for personal injury or damage to property resulting from incorrect or inappropriate use of the appliance.

PERSONAL SAFETY

- The appliance must be installed in such a way that, under normal operating conditions, there is no risk of contact between persons and moving or live parts.
- This appliance may be used by children aged 8 years and over and by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they are supervised or have been given instructions regarding the safe use of the appliance and understand the risks involved. Children must not play with the appliance. Children must not clean or maintain the appliance without supervision. When children and vulnerable persons are present, you must pay particular attention to them.
- Children under 8 years of age must not connect, adjust, clean, or maintain the appliance. They may only switch the unit on or off if it is installed correctly, if they are supervised or have been instructed on the safe use of the appliance, and if they understand the risks involved.
- Children under 3 years of age must be kept away unless under constant supervision.

END-OF-LIFE WEEE



This product must not be disposed of with household waste. Please recycle it if recycling facilities are available in your area. Contact your local authorities for advice on recycling procedures.

2. DESCRIPTION

TECHNICAL SPECIFICATIONS

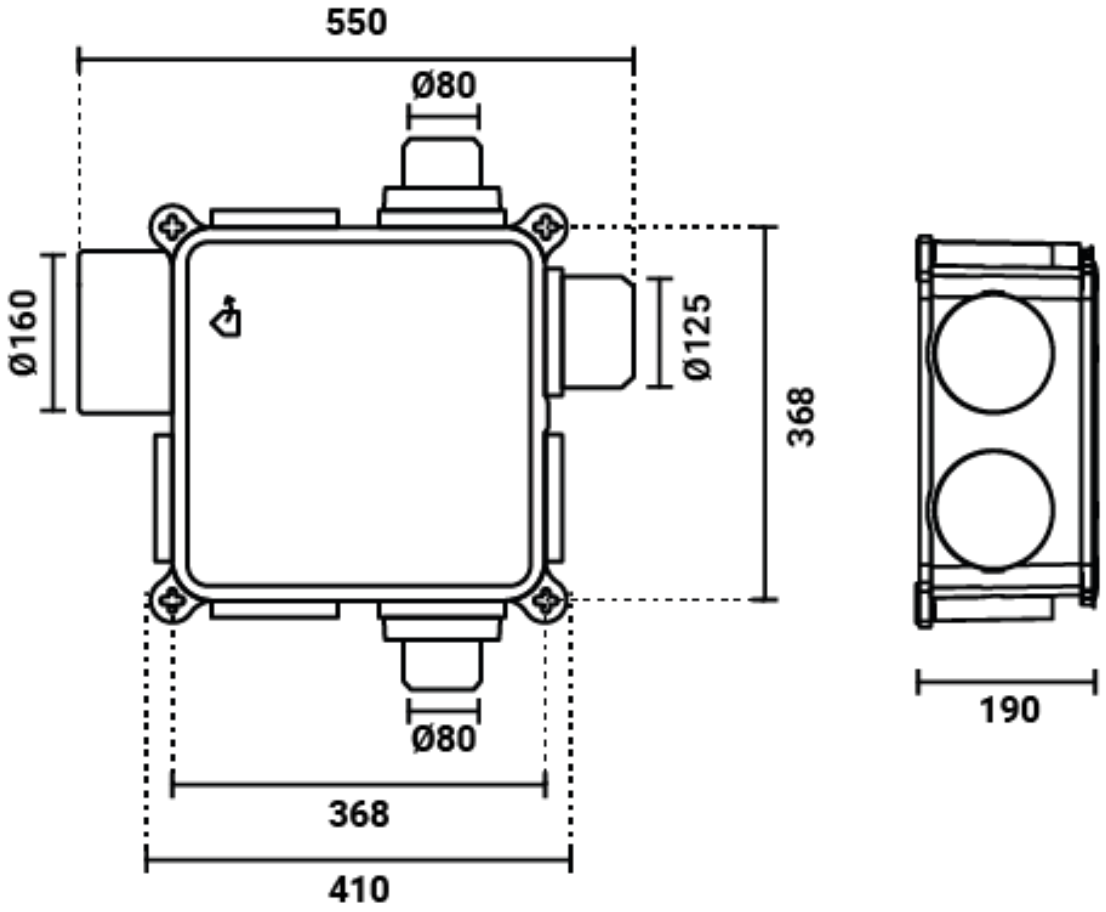
Type of MEV	Humidity-controlled ventilation
Hygro A application range	From F1 to F5, up to 2 bathrooms/toilets
Hygro B application range	From F1 to F5, up to 4 bathrooms/toilets
Fan	AC
Connections	7 x Ø125 mm, and 1 x Ø160 mm
Sound level Lp at 2m from the kitchen vent	20 dB(A)
Max. power	42 W
Operating temperature range	-20°C / 60°C
Power supply	230V ~50Hz

Energy class C

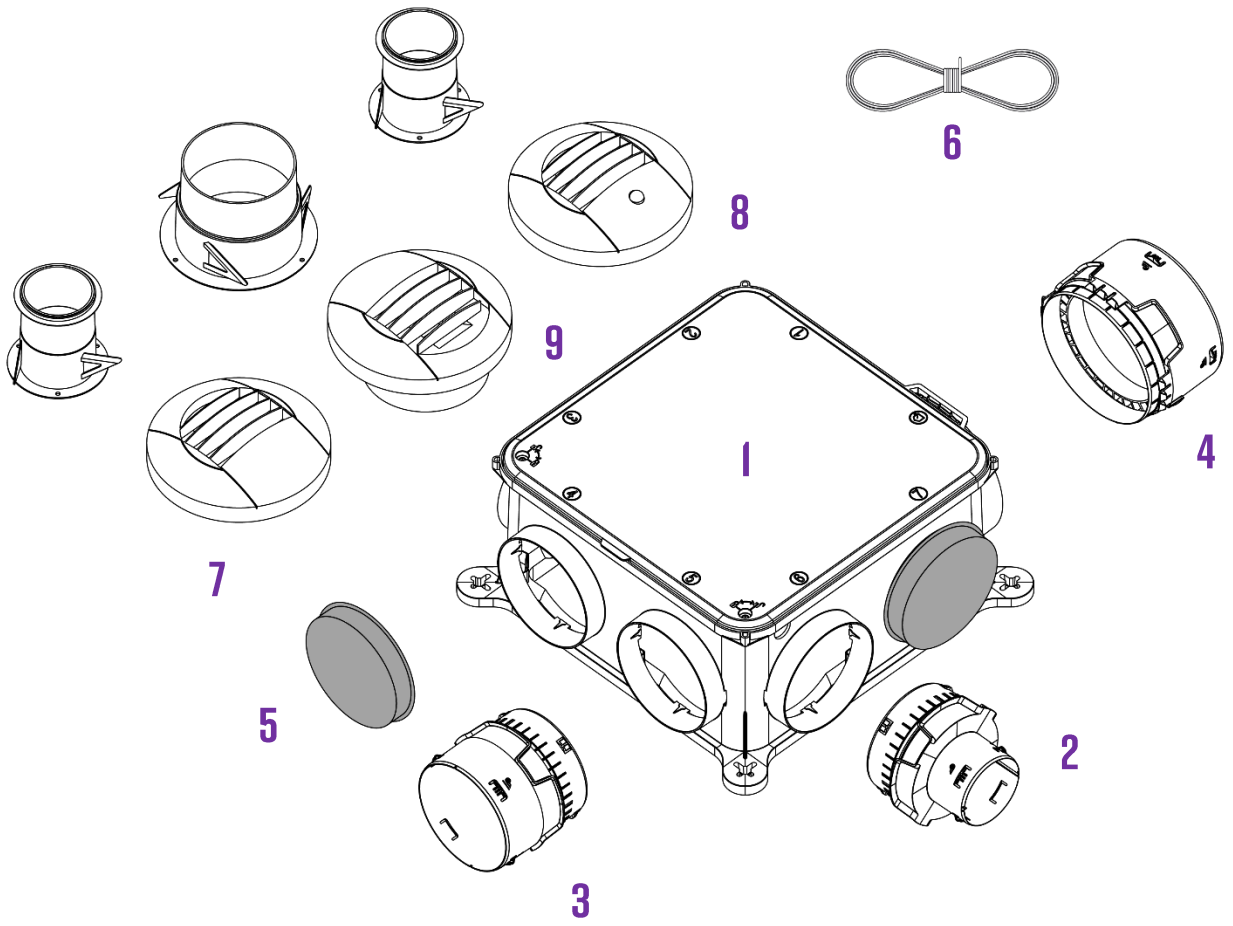
DIMENSIONS

Dimensions in mm

Weight: 3.8 kg



EXPLODED VIEW, PARTS LIST AND BOX CONTENTS



Login	Item	Modulvent Hygro *304.0009*	Modulvent Hygro with vents *304.0003*
1	Modulvent Hygro unit	1	1
2	Adapter Ø125/80 mm	2	2
3	Adapter Ø125/125 mm	1	1
4	Adapter Ø160/160 mm	1	1
5	Cap Ø125 mm	4	4
6	Suspension cord	1	1
7	Bathroom air outlet 10–40 m³/h, Ø80 mm with plasterboard sleeve (HB02)	-	1
8	Toilet battery-powered air outlet 5/30 m³/h Ø80 mm with plasterboard sleeve (TWVP)	-	1
9	Kitchen battery-powered air outlet 10-45/135 m³/h Ø125 mm with plasterboard sleeve (HCP05)	-	1

SELECTION OF EXTRACTION VENTS AND AIR INTAKE

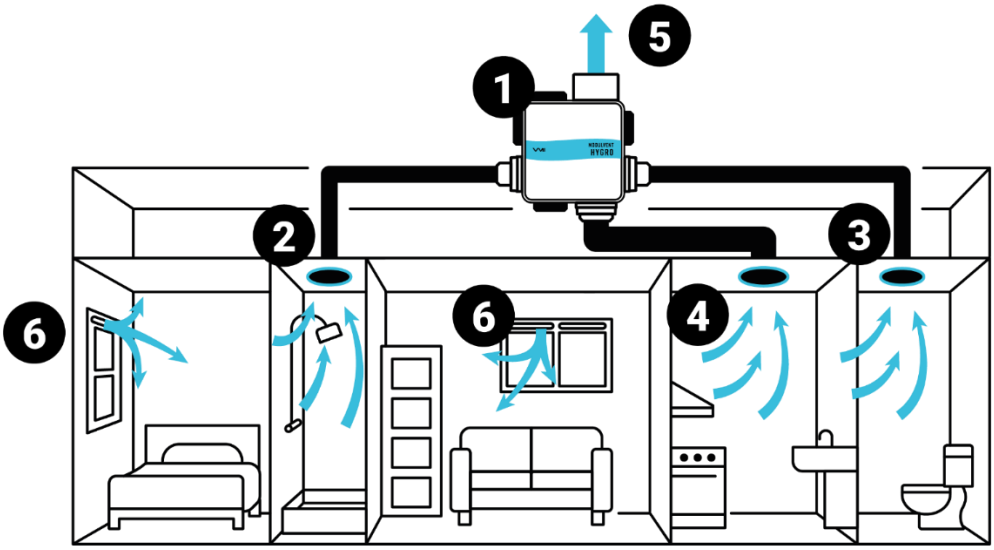
Type of air inlets								
		F1	F2	F3	F4	F5	F6	F7
Hygro A	Living room	2 x 45	2 x 30		45			
	Bedroom		30				22	
Hygro B	Living room	2 x HY ou 45	HY					
	Bedroom		HY					

Kitchen air inlets							
	F1	F2	F3	F4	F5	F6	F7
HYGRO A et HYGRO B	10-40/90 (HC02)		10-45/135 (HC05)				

Sanitary air oulets									
System	Dwelling	Bath1	Bath2	Other bath	Bath/WC1	Bath/WC2	Other bath/	wc	Shower
Dwelling with at least one bathroom/toilet but without a separate toilet									
Hygro A	F1			5-40 (HB01)	15-45/45 (HT05)		15-45/45 (HT05)		5-40 (HB01)
	F2-F5				15-45/40 (HT04)				
	F6-F7					15-45/40 (HT04)			
Hygro B	F1-F5				15-45/45 (HT05)				
	F6-F7					15-45/40 (HT04)			
Dwelling with at least one bathroom/toilet but no additional bathroom									
Hygro A	F1				15-45/45 (HT05)		15-45/45 (HT05)	5-30 (TW)	5-40 (HB01)
	F2-F5				15-45/40 (HT04)				
	F6-F7					15-45/40 (HT04)			
Hygro B	F1 -F5				15-45/45 (HT05)				
	F6-F7					15-45/40 (HT04)			
Dwelling with at least one bathroom and at least one separate toilet									
Hygro A	F1	10-40 (HB02)		10-40 (HB02)			5-40/30 (HT01)	5-30 (TW)	5-40 (HB01)
	F2-F5	10-45 (HB03)		10-45 (HB03)					
	F6-F7		15-45 (HB04)						
Hygro B	F1-F5	10-40 (HB02)		10-40 (HB02)					
	F6-F7		15-45 (HB04)						
Dwelling with one bathroom, at least one bathroom with a toilet, and at least one separate toilet									
Hygro A	F6-F7	10-40 (HB02)			15-45/40 (HT04)		15-45/45 (HT05)	5-30 (TW)	5-40 (HB01)
Hygro B		10-45 (HB03)							
Dwelling with one bathroom, at least one separate toilet and at least one shower room, but without any additional bathrooms or toilets									
Hygro A	F6	10-40 (HB02)						5-30 (TW)	15-45 (HB04)
Hygro B		10-45 (HB03)							

For further details, please refer to Technical Approval 14.5/26-2325

SCHEMATIC DIAGRAM



1	MODULVENT HYGRO unit + adapters + caps	4	Kitchen air outlet + insulated duct Ø125
2	Bathroom air outlet + insulated duct Ø80	5	Air exhaust Ø160
3	Toilet air outlet + insulated duct Ø80	6	Auto or humidity-controlled air inlets

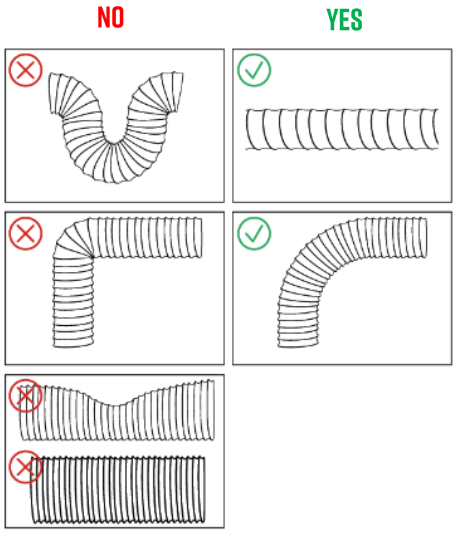
3. INSTALLATION

INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED PROFESSIONAL
THE PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT LOCAL REGULATIONS

The Modulvent Hygro MEV is installed in a plant room, a false ceiling or an attic and continuously extracts stale air from damp rooms in the property. Fresh air enters the property through air inlets located on the windows. The ductwork must be installed in accordance with DTU 68.3 (latest revision).

PRECAUTIONS BEFORE INSTALLATION

- Positioning the unit as centrally as possible in relation to the extraction vents minimises duct lengths and optimises ventilation performance.
- For installation in the loft, use suspended mounting to prevent the transmission of vibrations. For floor or wall installation, ensure that the anti-vibration pads are correctly positioned (pre-installed at the factory).
- All doors in the room must be rebated (1 cm for all doors, 2 cm for the kitchen door and rooms equipped with a connected gas appliance).
- Ensure that the ducts are installed as straight as possible and with well-rounded bends. Ducts that are crushed, pinched, torn, excessively long, have angles that are too sharp, or are slack will affect the performance of the MEV system.
- If a long length of ducting is required, opt for rigid or semi-rigid ducts.
- Ensure that the roof outlet is the same diameter as the unit's exhaust adapter



INSTALLATION STEPS

Step 1: Fixing the casing

The Modulvent Hygro unit can be mounted on a wall or suspended in the loft.

For **wall mounting**:

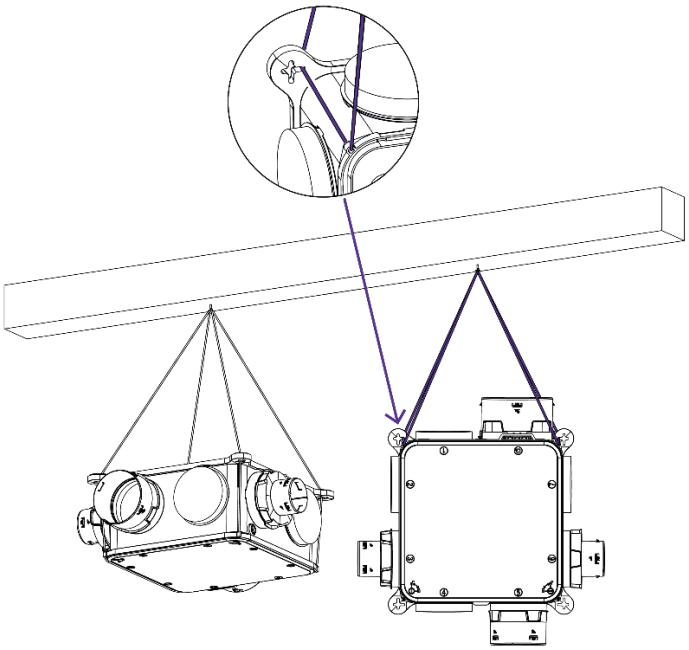
a. Drill 4 holes to match the dimensions of the fixing brackets
b. Secure the unit using screws suitable for the surface (not supplied)

The unit can be mounted on a straight wall, a sloping wall (attic) or the ceiling.

For **suspended installation**:

a. Fit a suspension hook
b. Thread the rope through the attachment points (4 mounting brackets and 4 eyelets)
c. Tie a knot and hang the cabinet from the hook

The box can be suspended horizontally (right side up or upside down) or vertically.

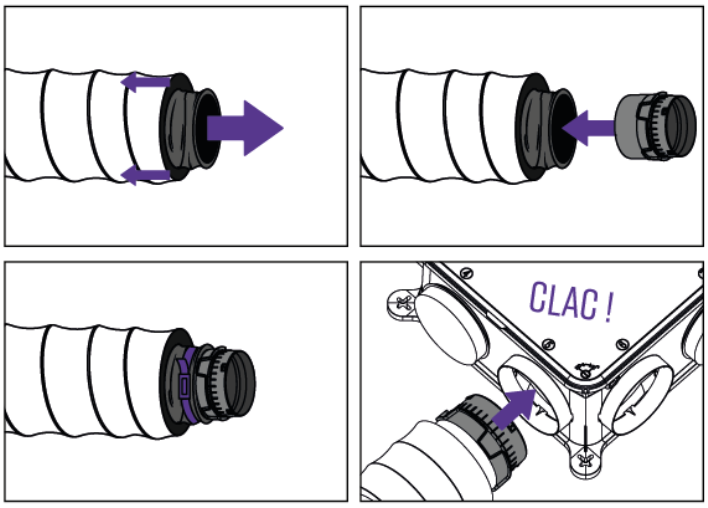


Step 2: Connection to the mains

1. **Connections for the bathroom, kitchen and exhaust**

   a. Connect the pipe to the adapter using a pipe clamp and adhesive tape (if using an insulated pipe, strip the end to wrap the tape directly onto the pipe).
   Make sure the connections are completely watertight.
   b. Slide the adapter onto the connection until you hear a 'clac!' (if necessary, rotate the adapter slightly to the right or left); it is then locked in place. For the waste pipe, slide it on, then lock it in place with a quarter-turn.

⚠ Make sure to fit a cap on all unused connections.



2. Installing the air outlets

Install an extractor vent in every damp room (kitchen, bathrooms, toilets, laundry rooms, etc.). In the bathroom(s), position the vent as close as possible to the shower or bath.

a. Ensure that the extraction vents are positioned at least 180 cm above the floor and 20 cm from a wall or ceiling.

b. Draw a circle corresponding to the diameter of the sleeve

c. Cut a hole using a hole saw

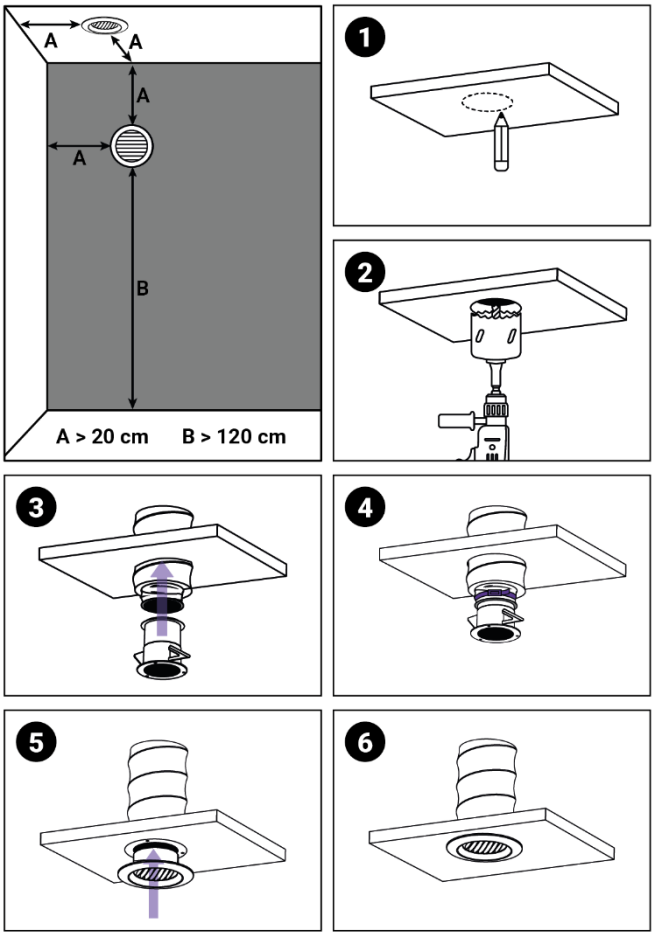
d. Insert the sleeve into the duct

e. Tighten

f. Push the sleeve into the wall/ceiling by folding down the tabs

g. Clip the grille to the sleeve

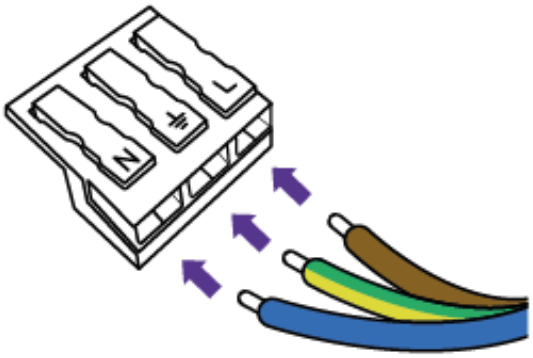
Make sure your network is properly sealed.



Step 3: Electrical connection

⚠ BEFORE CARRYING OUT ANY WORK, DISCONNECT THE POWER SUPPLY TO THE UNIT

The Modulvent Hygro MEV must be connected to a dedicated circuit. At the distribution board, install a 2A Type C double-pole circuit breaker. The ventilation unit must be supplied with a 3G cable (1.5 mm² to 2.5 mm²) and secured by an anti-tear-out system compliant with standard NF C15-100 or the applicable local standard, and in accordance with best practice.



Before making the connection, feed your cable through one of the two cable glands to ensure a watertight seal; then, once the electrical connection has been made, secure the cable with the cable clamp to prevent it from being pulled out.

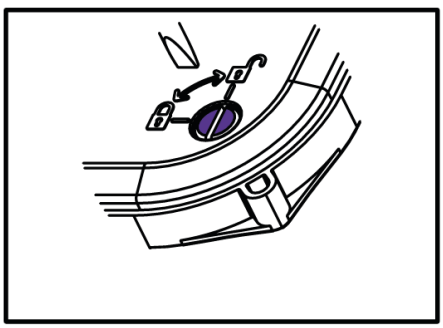
4. MAINTENANCE

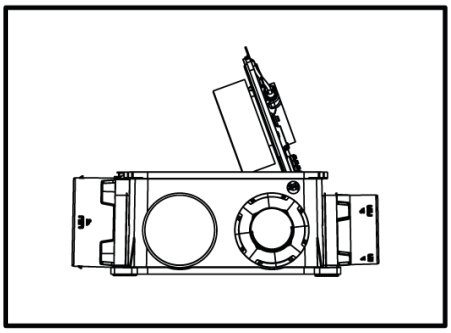
The Modulvent Hygro MEV must be serviced annually to ensure it is working properly.

1. The housing:

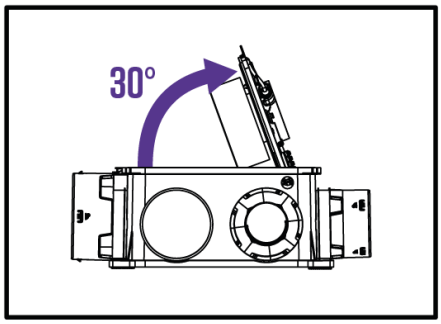
⚠ BEFORE CARRYING OUT ANY WORK, SWITCH OFF THE UNIT

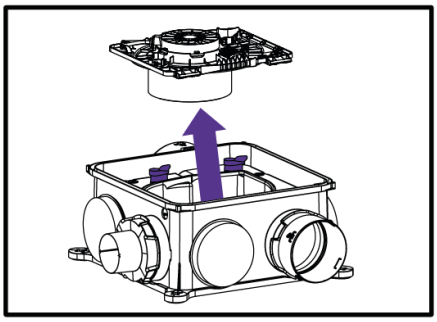
a. Loosen the two ¼-turn screws on the cover using a flat-bladed screwdriver, then remove the cover. Unlock the two yellow latches on the mounting plate to lift it up and access the motor.
Caution: if the unit is mounted on the wall or ceiling, support the circuit board with your hands as you lift it.





If necessary, you can also remove the detachable plate: disconnect the power supply from the terminal block, rotate the plate by 30°, then remove it (reverse the process to refit it).

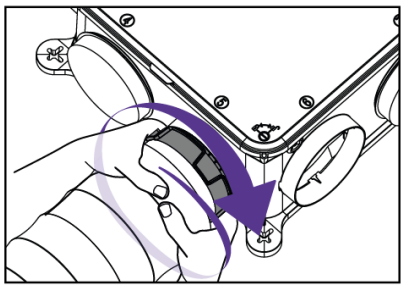


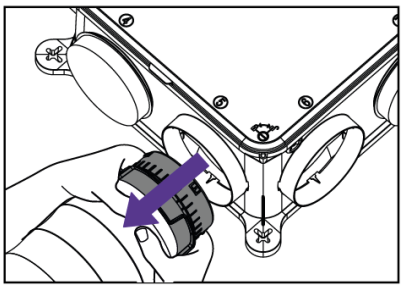


b. Clean the motor blades (without water or liquid products) using a dry brush or a dust-removing spray.

c. Close the plate, lock the latches, then secure the cover with the screws.

d. **If necessary**, to remove the adapters from the connections, turn the adapter with both hands to the right or left until it stops, go slightly past the stop and remove the adapter.

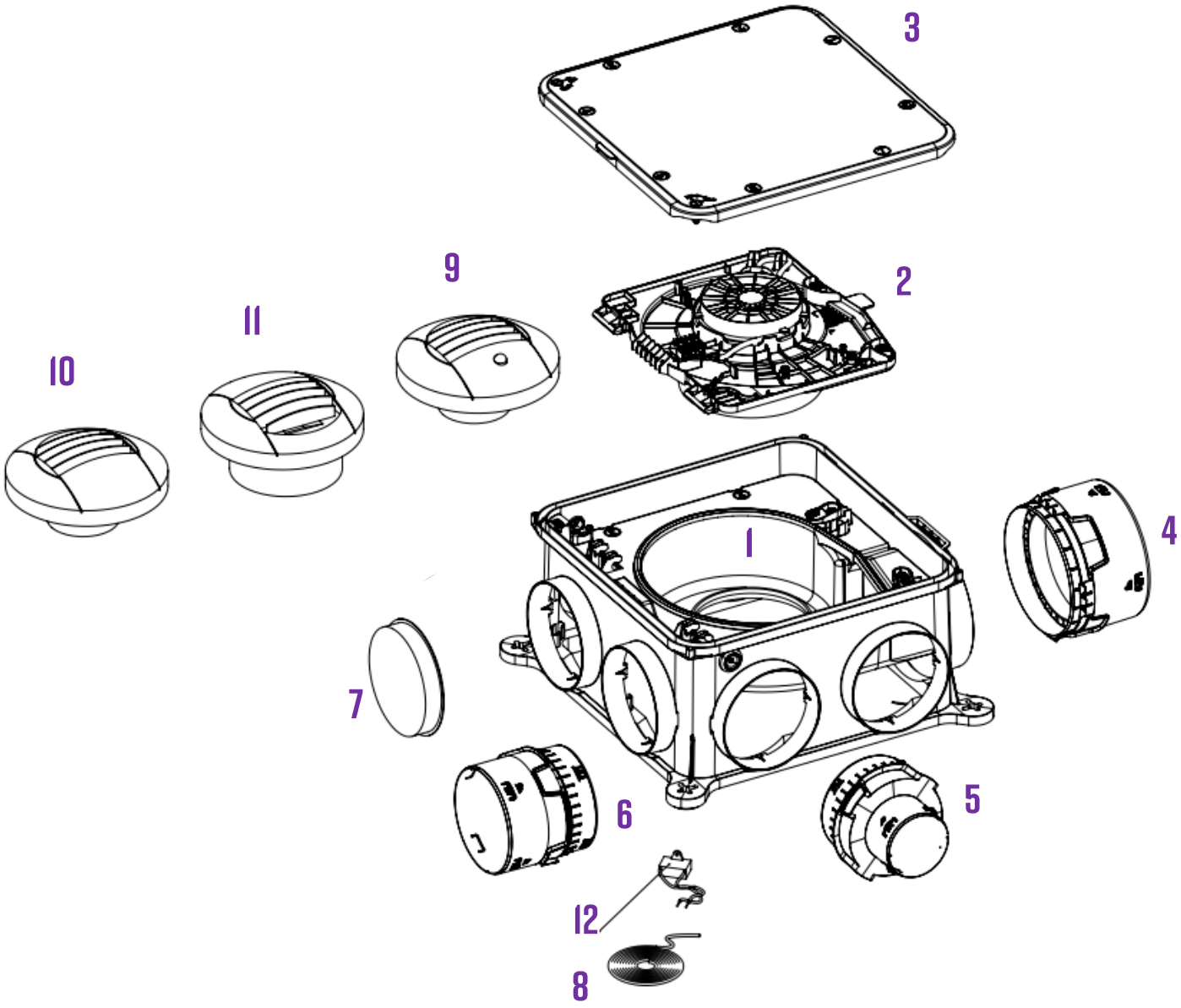




2. Extraction outlets and air inlets:

a. Remove the extraction vent from its sleeve.
b. Clean the vent with soapy water.
c. Replace the vent in its sleeve.
d. For the air inlets, dust them off using a dry brush.

5. SPARE PARTS



Identification	Item	Item code
1	MEV unit only (without fan or cover)	901.0035
2	Hygro AC fan board	901.0031
3	Hygro MEV cover	901.0038
4	Adapter Ø160/Ø160 mm	105.0003
5	Adapter Ø125/Ø80 mm	105.0001
6	Adapter Ø125/Ø160 mm	105.0002
7	Cap Ø125 mm	105.0009
8	Suspension cord	105.0027
9	Humidity-controlled bathroom air outlet 10–40 m³/h Ø80 mm and plasterboard sleeve (HB02)	105.0013
10	Battery-operated toilet air outlet, 5–30 m³/h, Ø80 mm, with plasterboard sleeve (TWVP)	105.0014
11	Battery-powered humidity-controlled kitchen air outlet 10-45/135 m³/h Ø125 mm with plasterboard sleeve (HCP05)	105.0012
12	0.9µF capacitor	207.0116

6. WARRANTY

General warranty conditions

Please refer to the general terms and conditions of sale. The system must be installed by a qualified professional in accordance with best practice, current standards, and the instructions in our manuals. The system must be used normally and regularly maintained by a specialist.

Warranty period

The Modulvent Hygro MEV is covered by a 5-year warranty on parts and labour (in our workshops). The warranty on our products begins on the date of Ventilairsec's invoice.

Exclusions

This warranty excludes any faults in the installation resulting from failure to comply with the manufacturer's recommendations, failure to comply with applicable standards and regulations, or lack of maintenance.

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