Installation Manual

Fresh-r Compac HRV In-the-Wall

fresh-r

Preface

This manual contains essential information for the correct and safe installation and commissioning of the Fresh-r. Before you begin assembly, you must read this manual carefully.

In this publication, the name Fresh-r refers to the private limited company Vaventis B.V. whenever it does not refer to the specific product.

Installation must be carried out using the mounting frame approved by Vaventis BV, whether or not supplied as separate components via an authorized distributor. The manufacturer, Vaventis BV, accepts no liability whatsoever for damage or incorrect operation resulting from improper installation of the mounting frame or the Fresh-r unit.

Regular maintenance must be performed in accordance with the instructions in the user manual. Damage or defects resulting from improper maintenance are not covered by the warranty.

The Fresh-r complies with all applicable CE directives. The full EU Declaration of Conformity is available via the website: www.fresh-r.com .

The images in this manual are for illustrative purposes only. The actual product may differ from the images shown.

Contents

1. Symbols

In this manual, symbols are used for additional explanation.

NOTE
The NOTE symbol indicates additional information that is useful when performing a task.

CAUTION
The CAUTION symbol is used for procedures that, if not followed, can cause damage to the equipment, the entire machine, or the environment in which it is installed.

WARNING
The WARNING symbol is used for certain procedures or actions that, if not performed correctly, can lead to bodily injury and/or property damage.

WARNING: Electrical Shock Hazard
The WARNING: Electrical Shock Hazard symbol indicates a situation or action involving a safety risk.

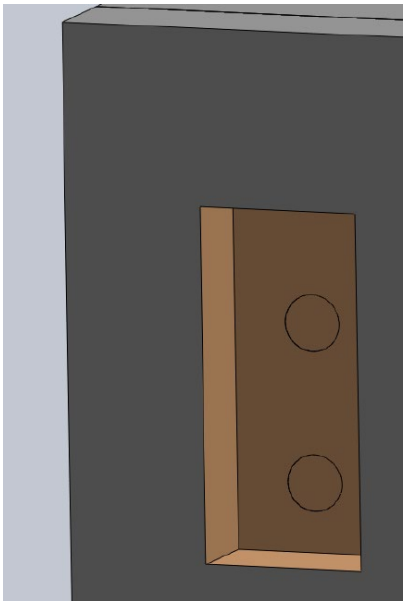
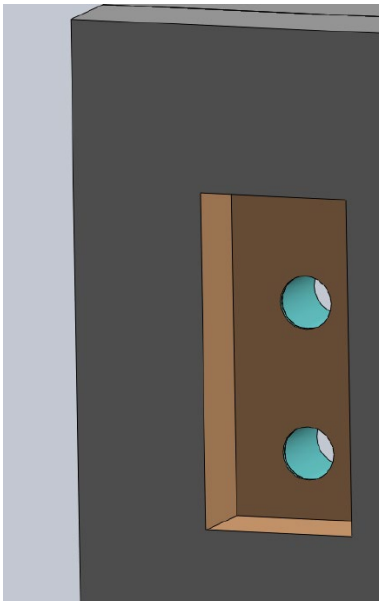
2. Safety regulations

- The Fresh-r requires a fused 230V grounded mains power supply.
- Connecting the Fresh-r to the mains electricity must be done by a certified electrician.
- Risk of electric shock or electrocution. Switch off the mains voltage in the meter cupboard before preparing the electrical wiring.
- The person responsible for installing the Fresh-r must be familiar with local building codes.

3. Create wall cut-out and core holes

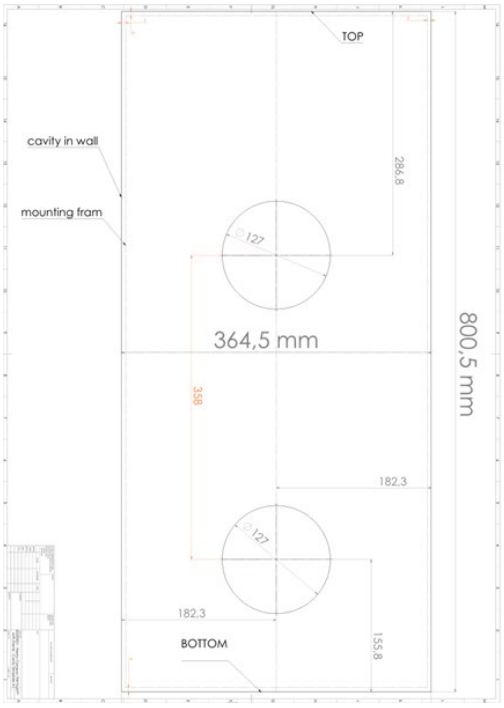
The preparation of the wall consists of two steps: creating the wall cut-out for the Fresh-r unit and drilling the two core holes to the outside. The order in which these steps are performed can be determined at your own discretion and can be chosen depending on the situation on site or the available tools.

These necessary openings can easily be incorporated during the rough-in phase, for both new construction or renovations. By planning these openings in advance, according to the specified dimensions, the wall is ready for installation immediately as soon as the finishing phase begins.

	
Wall cut-out	**Includes core holes for air ducts**

3.1 Included parts

- Drilling template (scale 1:1)



3.2 Required tools

- Concrete wall chaser and chisel hammer, or
- Diamond saw or wall chaser, or
- Circular saw or reciprocating saw
- Hole saw, Ø127 mm or Ø 130 mm

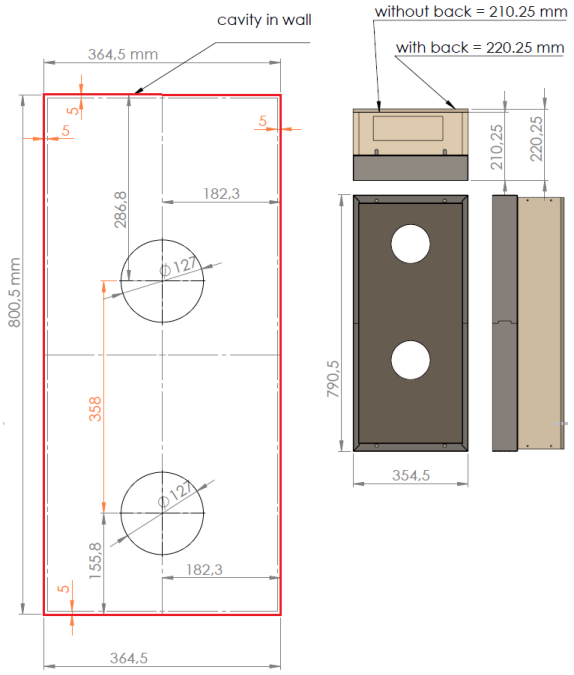
- For brick walls with a cavity: use a concrete wall chaser tool to mark the outline of the cut-out, and then remove the material with a chisel hammer. Pay attention to the cavity and avoid damaging the wall behind it.
- For solid concrete: use a concrete wall chaser, diamond saw, or wall chaser for the perimeter, and chip away the inner material with a chisel hammer or combination hammer.
- For wooden walls or timber frame construction: use a circular saw or reciprocating saw to cut out the recess, and remove the material carefully to prevent damage to the structure or insulation.

3.3 Procedure for creating a wall cut-out

WARNING

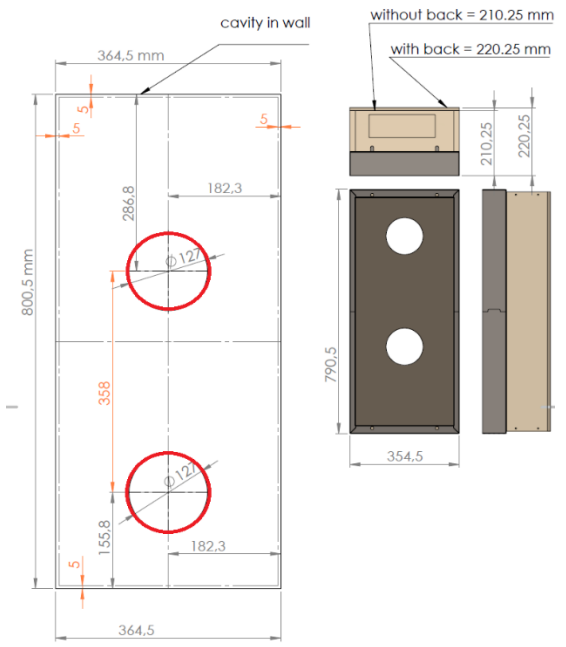
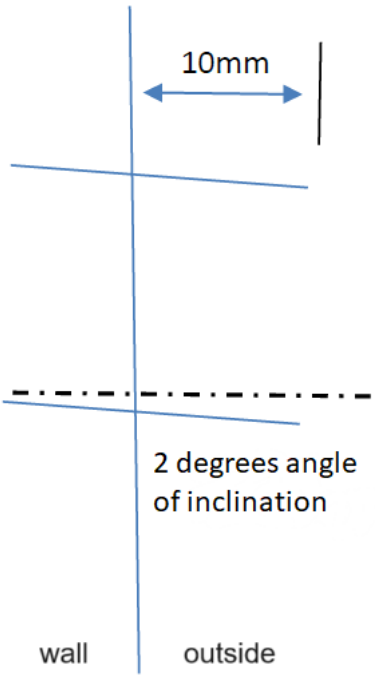
Incorrect execution of the work may result in bodily injury and/or property damage. Use only suitable tools and carry out the actions as prescribed.

1. Determine the correct location. For efficient ventilation, place the Fresh-r at least 10 cm from the floor or ceiling. Do not place the Fresh-r behind a curtain or directly above a chair or sofa.
2. Check if you are satisfied with the position of the exterior grille(s) relative to the air duct holes. Adjust this if necessary.
3. Before making the wall cut-out, check whether the wall has sufficient depth for the mounting frame:
   Mounting frame depth without back panel: 210.25 mm
   Mounting frame depth with back panel: 220.25 mm
4. Use the drilling template to mark the cut-out on the wall.
   The minimum width of the cut-out must be 364.5 mm and the minimum height 800.5 mm.
   The metal outer frame of the Fresh-r unit has a width of 384.6 mm and a height of 819.6 mm.



5. Use a (concrete) wall chaser machine with a suitable disc or a circular saw, and saw the top horizontal side, followed by the two vertical sides.
   For a cavity wall: saw through the inner wall only up to the cavity, and measure if that is deep enough for mounting the mounting frame. See image above: the mounting frame without back panel has a depth of 210.25 mm, the mounting frame with back panel has a depth of 220.25 mm.
6. The cavity is likely filled with insulation. Tap out the cut-out section and finally saw off the bottom horizontal line. You may need to finish the corners with a hammer and chisel.
7. If necessary, remove the insulation material after sawing.
8. Save the drilling template to mark the center points of the air ducts to be drilled in the next step.

3.4 Procedure for drilling core holes

Use the drilling template to mark the core holes by folding over the edges of the drilling template or by cutting out the drilling template so that it can be pasted into the back of the wall cut-out.	
The drill holes are intended for the passage of the two air ducts. **Note:** for the drainage of condensate: drill the lower penetration with a downward slope of 2° (approx. 3.5 cm per meter) outwards.	

NOTE
The 2° angle of inclination ensures that condensation water in the drainpipe is discharged to the outside. If the duct is completely level, water will pool inside, creating a risk of leakage into the home's interior.

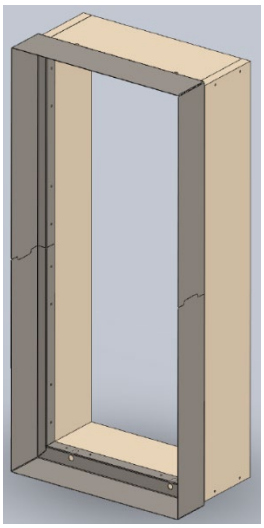
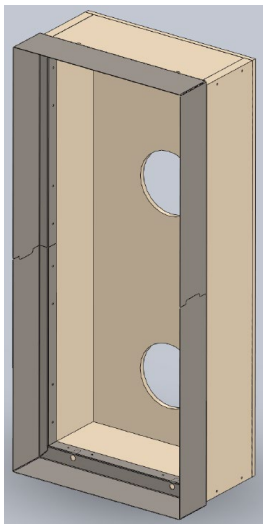
4. Preparing electrical

WARNING: Electrical Shock Hazard
Risk of electric shock or electrocution. Ensure the main power supply is switched off at the circuit breaker.

Ensure a grounded power cable with approximately 75 cm of excess length from the wall. Only connect the power cable to the terminal block located inside the Fresh-r after installing the Fresh-r in the wall.

5. Mounting frame: assembly and installation

In this chapter, the assembly and installation of the mounting frame is described. The mounting frame is available in two versions. First determine which version applies and then follow the corresponding instructions.

	
Mounting frame 1 without back panel	**Mounting frame 2** with back panel

NOTE
When striving for high airtightness it is advisable to use a back panel. The combination of the back panel and supplied gaskets ensures guaranteed airtightness and prevents unwanted air infiltration.

5.1 Included parts

Mounting frame 1 without back panel

- Short planks (2x), long planks (2x), metal edges (2x)
- Screws 4x50 mm (8x), screws 3x16 mm (24x)
- Anchor screws 6x80 mm (4x), 8x40 mm plugs (4x)

Mounting frame 2 with back panel

- All parts for Mounting Frame 1
- Wooden back panel (1x), screws 3.5x30 mm (14x)
- Gaskets (2x)

5.2 Required tools

- PZ1 and PZ2 Pozidriv screwdriver or bit
- AW30 screwdriver or bit

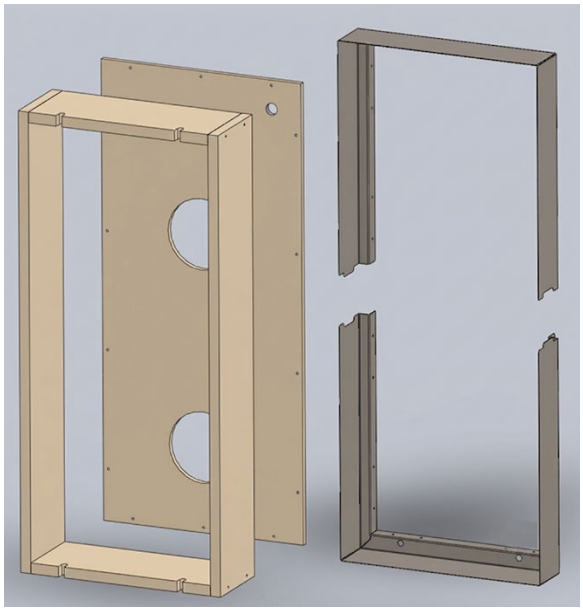
5.3 Procedure for assembling the mounting frame

Mounting frame 1 without back panel

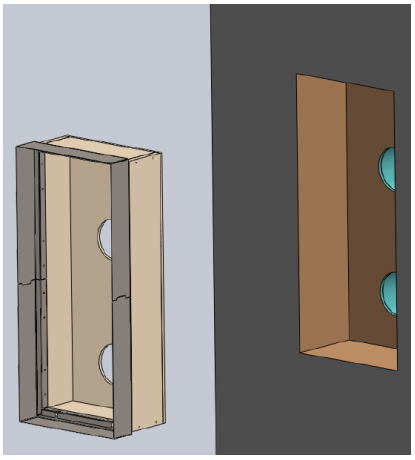
1. Assemble the four planks into a rectangular frame.
2. Place the short planks against the inside of the long planks to connect the corners.
3. Screw tightly with the 4×50 mm screws (8x).
4. Bend both metal strips into the correct shape. Each strip has two perforations. Bend both perforations inward at a 90-degree angle.
5. Screw the curved strips to the front of the wooden frame using the 3x16 mm screws (24x). The front is the side with the four cut-outs in the short planks.

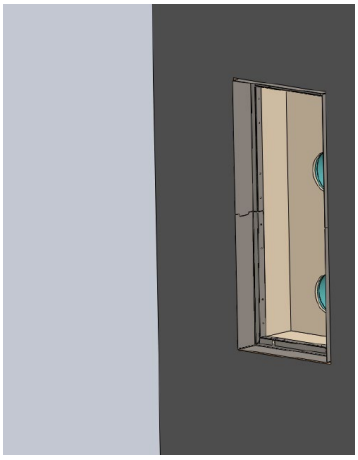
Mounting frame 2 with back panel

1. Follow steps 1 to 5 of 'Mounting frame 1'.
2. Screw the back panel onto the frame with 3.5x30 mm screws (14x).
3. Stick both gaskets to the inside of the back wall around the holes for wall penetrations.



5.4 Placement of mounting frame





NOTE

When using a wooden back panel: before installing the mounting frame into the wall, check that the positions of the two 130 mm core holes and the cable entry point align with the back of the Fresh-r unit.

Mounting frame 2 with back panel:

1. Insert the power cable through the cable entry point in the back panel.

Mounting frames 1 and 2:

1. Place the mounting frame in the correct position inside the wall. The position of the metal edges is crucial here: the front must be flush with the inner wall.
   Note: center the frame in the recess both in width and height. Use a 5 mm wedge on the bottom and sides for this.
2. Secure the frame with the supplied anchor screws (4x) and plugs (4x). The installer must determine the optimal position of the four drill holes in the wooden frame themselves, depending on the situation on site. Ensure an even distribution across the frame for stable anchoring.
3. Drill two Ø 8 mm holes in both vertical planks, left and right.
4. Now drill the holes in the underlying wall. For a brick or concrete wall, drill Ø 8 mm holes. Or for a wood/timber frame, drill Ø 6 mm. **Note:** if possible, always drill perpendicular to the wall. Crooked drill holes can cause the mounting frame to be under tension or prevent the Fresh-r unit from fitting properly into the frame later.
5. For a stone or concrete wall: place the plug on the screw, push the plug into the wall, and tighten the screw until it is countersunk into the wood.

5.5 Ready for plastering and painting

1. Once the mounting frame is installed, the wall is ready for plastering and/or painting.
2. For airtight sealing: the space between the wall recess and the metal edges of the mounting frame must be sealed (flexible polyurethane foam or sealant) and/or plastered.
3. The metal frame on the front of the Fresh-r In-the-Wall unit overlaps the mounting frame by approximately 10 mm on all sides.

6. Fresh-r unit: preparation

6.1 Included parts

Included as standard with every In-the-wall

- PVC pipes Ø 100 mm (2x) + insulation sleeves (2x)

6.2 Required tools

- Hacksaw or wood saw
- Polymax mounting kit
- PZ2 Pozidriv screwdriver or bit
- Fitting screwdriver
- 4 mm Allen key or hex -bit

6.3 Method

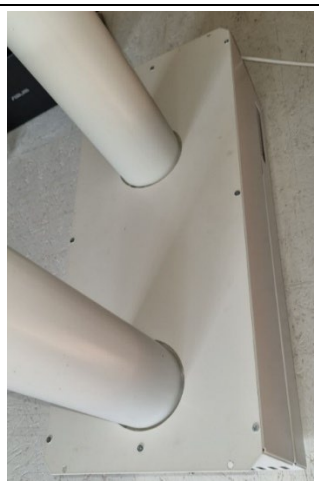
1. Saw both PVC pipes to the correct length. Use the following formula to calculate the required length: Required length = Total wall thickness (inner wall + cavity + outer wall) **minus** Fresh-r unit depth (204 mm) **plus** Fresh-r unit insertion depth (20 mm) **plus** outdoor protrusion (10 mm).

Calculation example: total wall thickness = 350 mm
Tube length = 350 - 204 + 20 + 10 = 176 mm

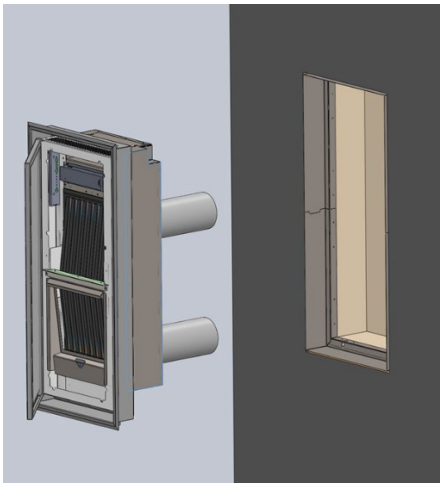
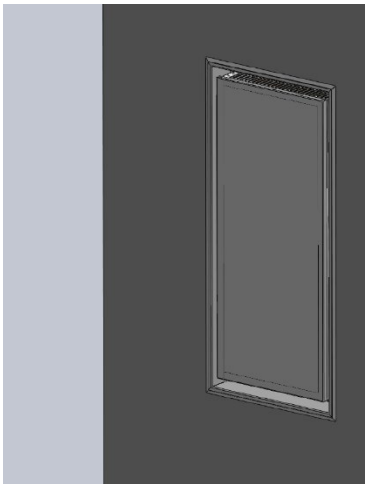
NOTE

- Measure the wall thickness by placing a wooden batten flat against the inside of the wall and then using a tape measure to measure the distance to the outside.
- Use wide tape or two sheets of paper taped together to mark the pipes and make a perpendicular cut.
- Maintain a 10 mm overhang on the outside. This is necessary for proper drainage via the drip tray of the exterior grille and protects the facade against condensation moisture.
- Optionally, you can perform a dry-fit for verification. After step 3 below, place the Fresh-r + pipes in the wall and check that both PVC pipes **protrude 10 mm** on the outside.

2. Deburr and sand the ends of the tubes.
3. Push the tubes into the two connection points at the back of the Fresh-r. The tubes are correctly placed when they are pushed 20 mm into the Fresh-r until they can go no further.
4. Slide both insulation sleeves onto both PVC tubes until they reach the back of the Fresh-r.
5. Close both tubes between the insulation sleeve and the back of the Fresh-r completely all around with sealant, for example Bison Kit Polymax or silicone sealant; do not use glue. See the image below.



7. Fresh-r unit: in-wall installation


7.1 Included parts

- Mounting bolts M6x20 mm flat head white (4x)

7.2 Required tools

- 4 mm Allen key or hex -bit
- Phillips screwdriver

7.3 Working method

WARNING: Electrical Shock Hazard

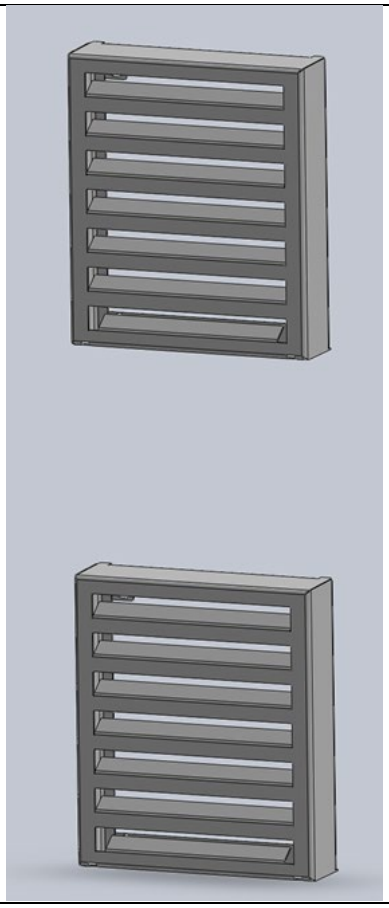
Risk of electric shock or electrocution. Ensure the main power supply is switched off at the circuit breaker.

1. While placing the unit into the mounting frame, insert the power cable into the rear of the unit and pull it fully through. Ensure that no excess cable remains behind the unit.
2. Position the Fresh-r correctly in the mounting frame so that the four mounting holes are aligned with the four mounting points in the mounting frame.
3. Secure the Fresh-r with the included bolts (4x).

The next step is mounting the exterior grille. The instructions for connecting the Fresh-r to the power supply follows after that.

8. Install the exterior grille

8.1 Included parts

	
Square grille set	**Rectangular grille: mounting plate + grille**

Option A: Set of 2 square grilles

- Square grille (2x)
- 4x30 mm mounting screws (8x)
- Wall plugs (8x)

Option B: Rectangular grille

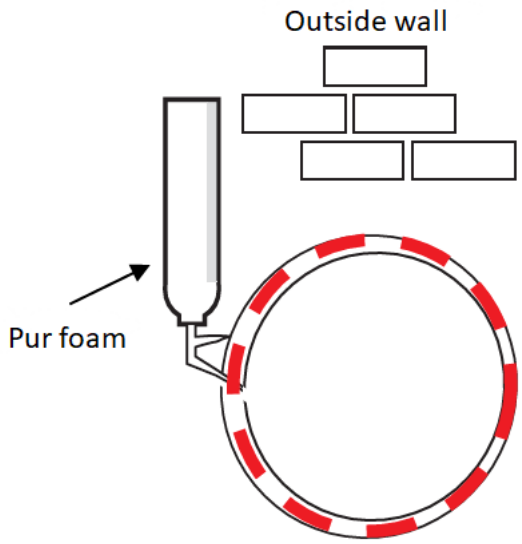
- Mounting plate (1x)
- Outdoor grate (1x)
- 4x30 mm mounting screws (4x)
- Wall plugs (4x)
- M4x10mm screws (2x)

8.2 Required tools

- Utility knife
- PU foam
- Spirit level
- Marker or pencil
- Drill
- Hammer
- PZ2 Pozidriv screwdriver or bit

8.3 Working method

1. Ensure that the insulation sleeves on the outside are no longer than the PVC pipe.
2. Seal the space inside the wall between the pipes and the drill hole with polyurethane foam. **Note:** Ensure that the bottom pipe maintains an outward slope of 2° while the foam cures. If necessary, use shims or wedges to prevent the expanding polyurethane foam from pushing the pipe upwards.
3. The pipes protrude 10 mm from the wall. Seal the lower half of the bottom pipe with sealant to prevent condensation behind the grille.



Option A: Set of 2 square grilles

1. Use the grille to mark the four drill holes for both grilles. Ensure that the marking is done level.
2. Drill the holes; in a stone wall with a 6 mm drill bit, in wood with a 2.5 mm drill bit.
3. Insert the plugs
4. Mount both grilles with the supplied mounting screws.

Option B: Rectangular grille

1. Use the mounting plate to mark the four drill holes. Ensure that the marking is done level.
2. Drill the holes; in a stone wall with a 6 mm drill bit, in wood with a 2.5 mm drill bit.
3. Insert the plugs.
4. Mount the mounting plate with the supplied mounting screws.
5. Hang the grille on the mounting plate and fix it on both sides with the two included screws.

9. Fresh-r unit: connect to electricity

WARNING: Electrical Shock Hazard

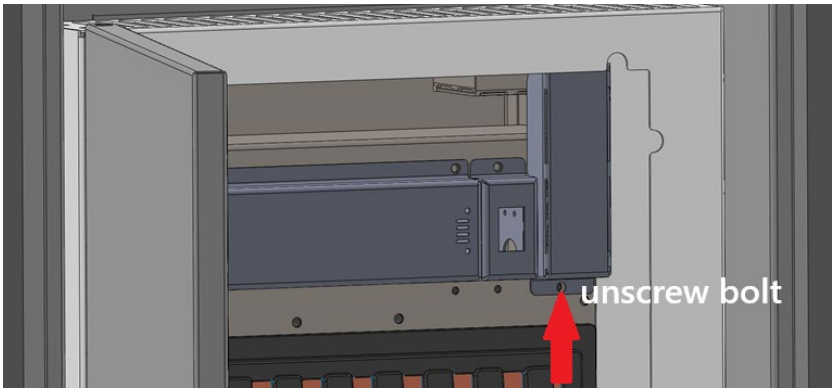
Risk of electric shock or electrocution. A certified electrician must connect the Fresh-r to the electricity supply. Ensure the main power supply is switched off at the circuit breaker. Fresh-r is not responsible for an incorrect connection.

9.1 Required tools

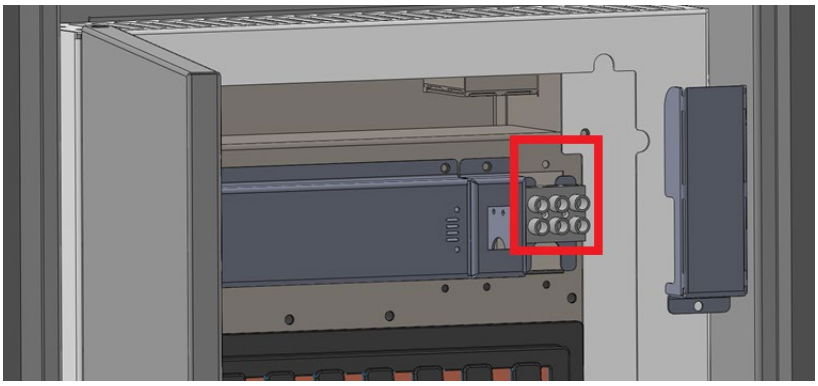
- PZ2 Pozidriv screwdriver or bit
- Fitting screwdriver

9.2 Working method

1. Switch off the mains voltage in the meter cupboard before connecting the electricity.
2. The terminal block for connecting the power cable is located behind the end cap. Remove the end cap by unscrewing the bolt at the bottom.



3. Determine the required cable length at the front and shorten the excess.
4. Connect the three power wires to the top of the terminal block at the position with the same color as the wires at the bottom. **Note:** the green-yellow earth wire needs to be connected at the same position where the earth wire is already connected at the bottom. Then reattach the end cap.



10. Commissioning

CAUTION

Ensure that the room is thoroughly cleaned and dust-free before switching on the unit for the first time. If sanding or drilling work is still taking place, the unit must remain switched off and preferably covered to prevent fine dust from entering the system.

1. The Fresh-r is now ready for use. Switch on the mains voltage in the meter cupboard
2. Switch on the Fresh-r using the on/off switch at the top right on the inside.
3. After approximately one minute, three lights will illuminate on the control panel; see the image on the right. If the Fresh-r doesn't start and no lights illuminate, check the power supply. If, after checking, you are certain that the Fresh-r is correctly connected to the power supply but still doesn't work, switch off the Fresh-r and contact your installer or supplier.
4. From now on, the Fresh-r will ventilate fully automatically for healthy air quality while saving as much energy as possible, both in winter and summer. The level of ventilation is automatically determined by the measured levels of CO2 and humidity.

11. Connecting to Wi-Fi

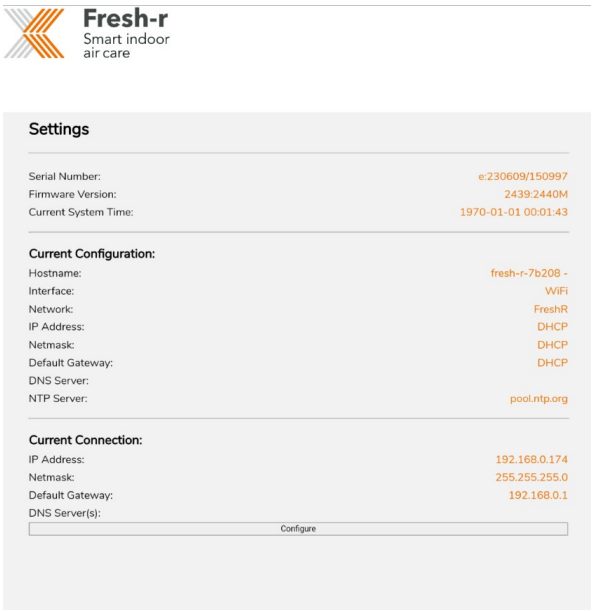
Connecting your Fresh-r to Wi-Fi provides a number of benefits; you can view the data of the Fresh-r at any time via the web app, software updates can be received automatically, remote service is possible, and you can extend the warranty period by an extra year to a total of three years.

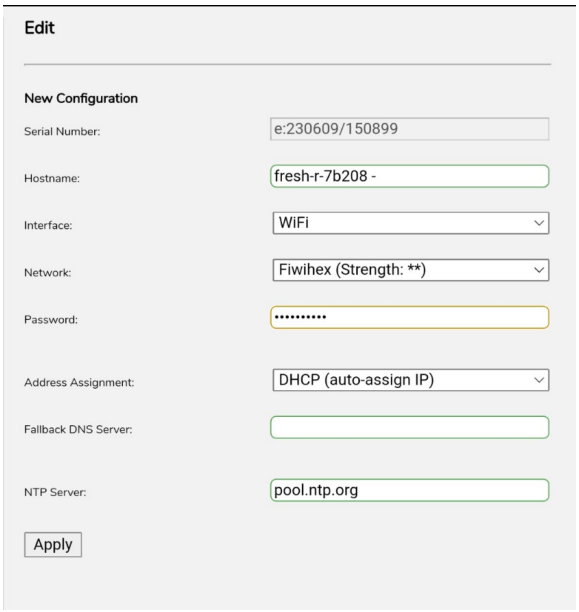
Before you start, make sure you have the Wi-Fi password with you. The duration during which the Fresh-r is in
connection mode (AP mode) is limited. We advise to establish the connection using a laptop/tablet/PC and not using a mobile phone due to the small size of the screen.

1. To connect the Fresh-r to Wi-Fi, first switch the Fresh-r off and on again. This can be done using the on/off button that is located on the inside. Then go to your laptop/tablet/PC.
2. Go to Settings and select Wi-Fi.
3. In the list of Wi-Fi Connections, select Fresh-R AP….. or Vaventis AP ….. Your network will now connect to the Fresh-r Wi-Fi.
4. If connecting the Fresh-r was not successful, repeat steps 1 to 3.
5. Once connected, there are a number of options.
   a. The ESP settings page opens automatically, see first image below.
   b. In the top bar you will receive a notification to open the Settings. Click this.

c. If the ESP Settings do not open automatically or you do not receive a notification, go to the address 192.168.4.1 via your browser.

6. If only the left image below is displayed, click Configure at the bottom. Continue at step 7.





7. In the image above at the right, click on the field behind Network. A list of available access points is now displayed.
8. Select your own router by clicking on the name of your router.
9. Enter your Wi-Fi password in the Password field. You may need to tilt your screen to enter the password.
10. After entering the password, click Apply at the bottom. If this is not possible, tilt the screen, click Configure again, and then click Apply.
11. Now wait for the text "Your configuration was applied successfully".
12. The Fresh-r is now connected. After approximately 60 minutes, the data from your Fresh-r will be visible on the web app. The data can only be viewed by yourself or the manufacturer.
13. To view the data, go to https://www.fresh-r.me. Log in with the username and password provided by Fresh-r. Don't have a username and password yet? Request it at support@fresh-r.eu.

12. Installation checklist

Inspection points	Meets requirements		
	yes	no	n/a
Seal the connection between the insulation sleeve and the back of the Fresh-r with sealant.			
Seal the space between the ducts and wall holes from the outside with polyurethane foam.			
Towards the outside, the bottom duct has a downward slope of 2 degrees.			
Where the bottom duct protrudes from the outside, the bottom half is sealed with sealant between the duct and the wall.			
After switching on, the three lights on the control panel light up.			
Air is blowing from the bottom of the Fresh-r.			
There are three smileys (CO2 indicators) on the control panel. One of the smileys lights up; if not, it will light up after 30 minutes.			
Connect Fresh-r to Wi-Fi.			

13. Manual mode

Healthy indoor air with minimal energy loss

- the Fresh-r automatically provides fresh air
- the sensors measure CO2, moisture and temperature
- the fans will run faster when necessary, so that the air quality remains good
- the heat exchanger ensures energy savings and comfort:
  - In winter, the cold outside air enters preheated
  - on hot summer days, the warm outside air comes in cooled
- insight into air quality and energy savings via online dashboard
- contact support@fresh-r.eu for access to the online dashboard

Automatically demand-driven

- by default, the Fresh-r is set to automatic mode and operates completely independently
- air humidity and carbon dioxide are continuously measured to determine the ventilation volume
- the air quality is indicated by a smiley face and a colored LED
- the green lights show the amount of ventilation

Manual mode (temporary)

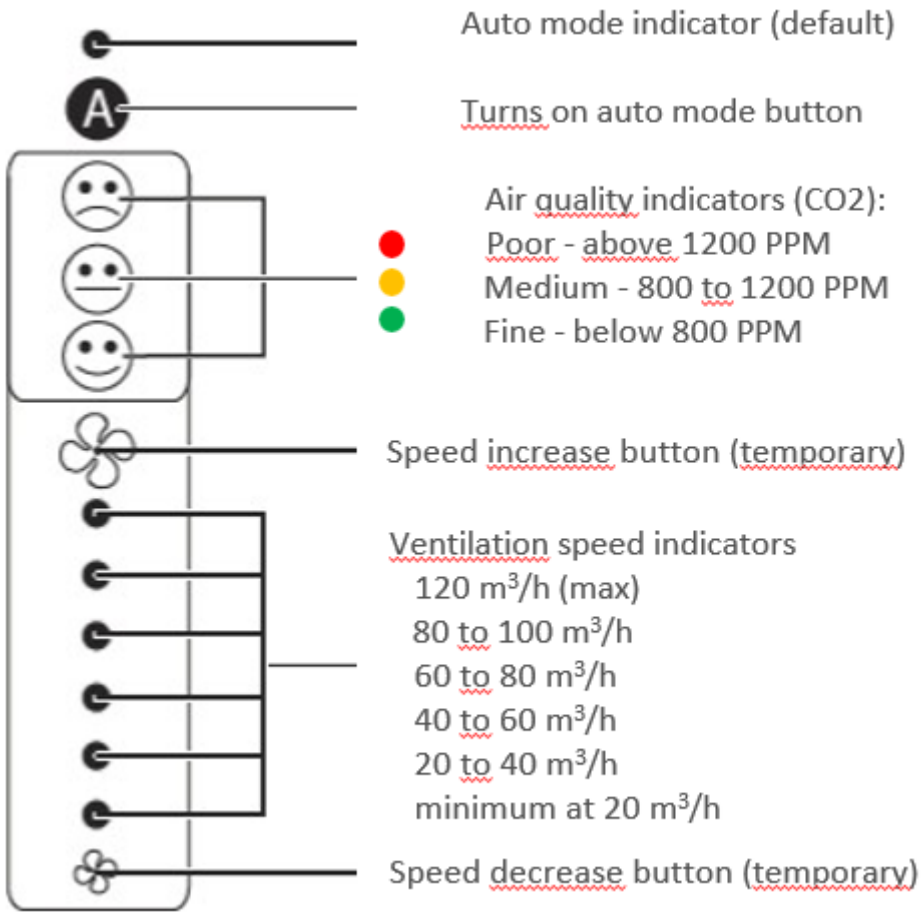
- the ventilation speed can be increased or decreased manually. Manual mode is being activated by pressing button A. Now the speed can be adjusted using the buttons with the large and small fan icons.
- when pressing button A again, after a few minutes the Fresh-r switches back to automatic mode. The device automatically switches back to automatic mode by itself after one and a half hours.

On/off switch

- this switch should only be used to turn off the Fresh-r before cleaning or maintenance.

Ventilation speed

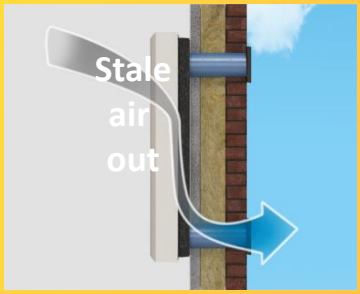
- in automatic mode, the Fresh-r automatically regulates the required ventilation speed, which is limited to 75 m³/h. In this mode, the lower indicator light corresponds to 20 m³/h and the upper indicator light corresponds to 75 m³/h.
- in manual mode, the maximum ventilation speed is 120 m³/h. In this mode, the lower indicator light corresponds to 20 m³/h and the upper indicator light corresponds to 120 m³/h. See image below.
- if desired, you can have the maximum ventilation speed for automatic mode increased from 75 m³/h to 120 m³/h. This is not necessary for sufficient ventilation. Your Fresh-r must be connected to Wi-Fi for this. To request this adjustment, please contact Fresh-r.

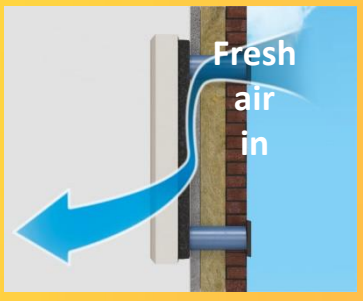


14. Maintenance

- For optimal operation and a long service life, the heat exchanger must be cleaned every six months. Please refer to the maintenance manual for details.
- If your Fresh-r is equipped with a dust filter, it must be replaced every six months. Please refer to the maintenance manual for details.
- For further technical details and maintenance, see www.fresh-r.com.
- For questions regarding operation and maintenance, please contact us at support@fresh-r.eu. For the best support, your Fresh-r must be connected to Wi-Fi. When contacting us, always include the serial number of the Fresh-r. You can find this on the silver sticker on the inside of the Fresh-r, and it starts with E:2.

Congratulations on the installation of your Fresh-r Compac. The installation is complete and the Fresh-r is ready for use. We hope you enjoy the Fresh-r and the clean air, comfortable indoor climate, and energy savings.





Fresh-r is like a breathing window

Technical Data

Heat exchanger	Copper wire
HE efficicency	82% *
ErP label	A+
Controls	CO_2 /RH /Temp. Dust/PM optional
Balanced	Yes
Mounting	In the wall or On the wall
Outside duct diameter	100 mm duct, 120 mm incl. insulation sleeve
Extract duct connection	Optional 'Everywhere'
Condensate discharge	Integrated in exhaust
Electricity supply	230v/1ph/50Hz
Max power consumption Average power consumption	25 Watt 7 Watt
Wi-Fi inside / LTE inside	Yes / Optional
Filter class	Standard: ISO Course 30%-50% (G3) Optional: ePM1-70% (F8)
Dimensions (HxWxD) in mm On-the-Wall In-the-Wall In-the-Wall including frame semi-In-the-Wall	 716 x 284 x 192 819 x 384 x 204 819 x 384 x 219 724 x 326 x 191

* Test at volume of 80 m3/h

Flow & electricity

25 m³/ hr (7 l/s)	5.3 Watt
53 m³/ hr (15 l/s)	11.7 Watt
76 m³/ hr (21 l/s)	17.6 Watt

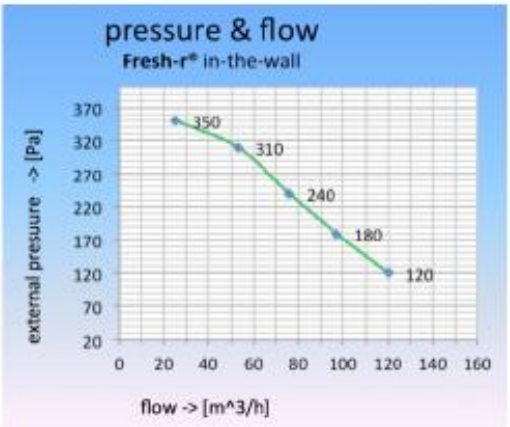
Testing by BRE UK for SAP Appendix F
Certifiable as passive house component

Flow & sound

35 m³/ hr (7 l/s)	25 dB(A)
65 m³/ hr (15 l/s)	30 dB(A)
80 m³/ hr (21 l/s)	35 dB(A)

NEN-EN-ISO 3741 tested by Cauberg-Huygen

Pressure Flow Graph



Air flow control

The Fresh-r saves on heating costs through its high efficiency on heat recovery. In addition, the airflow control provides an additional saving of an average of 35% on ventilation energy consumption by only ventilating when necessary. The air flow rate is automatically adjusted. CO2, RH and temperature sensors with its smart control are always included in the Fresh-r and are located in outgoing air stream. The automatic mode can manually be overruled by increasing / decreasing fan speed. The user interface indicates the air quality level in 3 steps with icons for good, medium and poor.

Air balance control

Two backward curved fans are continuously balanced using smart controls combined with 4 temperature sensors. This worldwide patented system enables very direct balance control, also with strong winds.

Minimised cold bridge

The cold side of the Fresh-r is completely separated from the warm side.

Modular Design

The Fresh-r is constructed of independent modules that can be easily connected, disconnected, or interchanged. Each module typically performs a particular task. This design approach offers benefits like ease of maintenance and cost-effectiveness.

Fresh-r, Vaventis BV reserve the right, in the interests of continuous development, to alter specifications without prior notice. All orders are accepted subject to our conditions of sale which are available on request.

Fresh-r

Smart indoor air care

www.fresh-r.com

Fresh-r is a brand name of Vaventis BV

CERTIFIED COMPONENT
Passive House Institute

Declaration of conformity

as required by EU Directive

We

The manufacturer:	Vaventis BV
Address:	De Plooij 6
	7548 CV Enschede
	The Netherlands

declare under our sole responsibility that the following product

Equipment:	Air handling unit with heat recovery
Brand name:	Fresh-r
Model/type:	In-the-Wall
	On-the-Wall
	Compac In-the-Wall
	Compac On-the-Wall

is in conformity with the following Directives

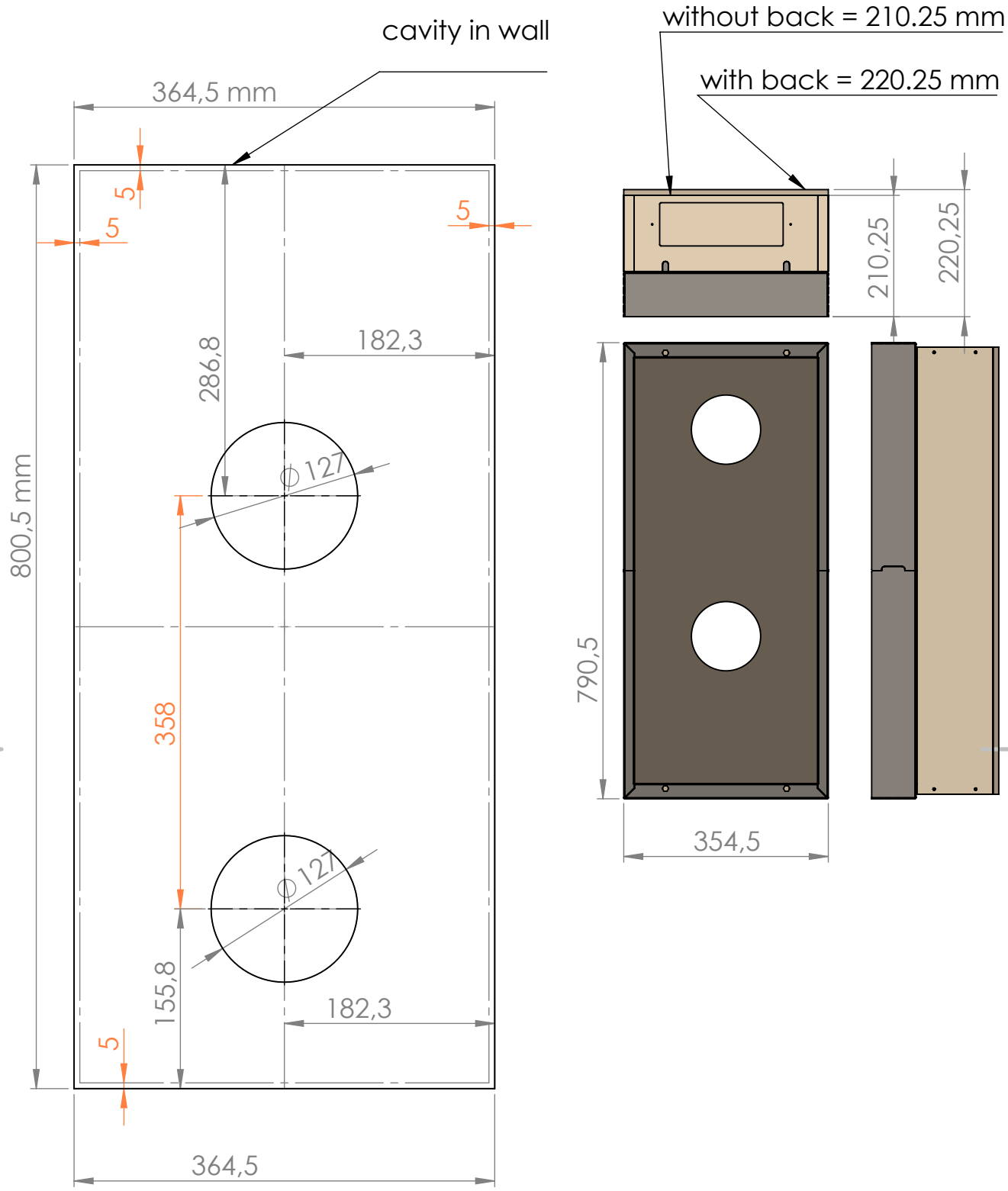
2014/35/EU	Low Voltage (LVD)

the product bears the CE label

CE

Woen van Andel (Managing Director)

Enschede, August 1st, 2021



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING / REVISION

	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
Q.A			

TITLE: 20250829 Technical_Drawing_Dimensions_Compac_ITW_mounting_frame_cavity_template

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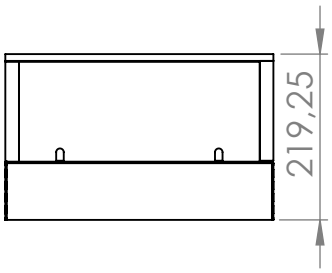
DWG NO.

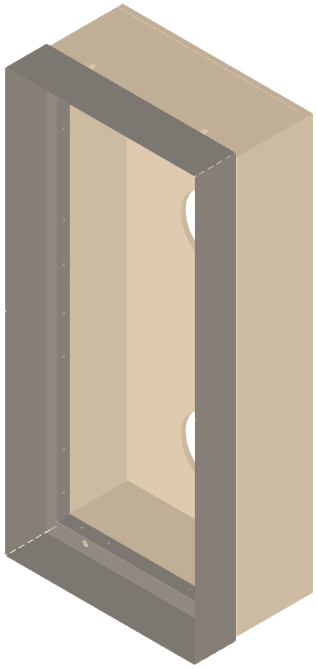
A4

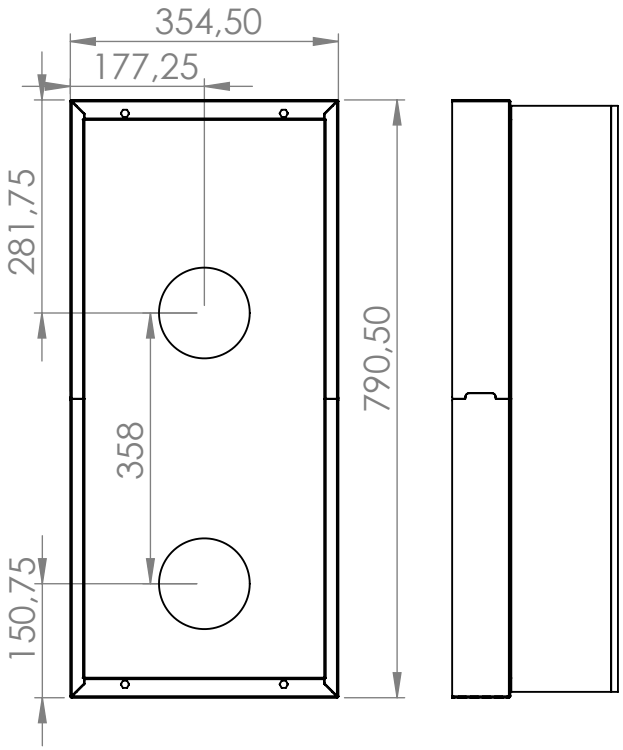
WEIGHT:

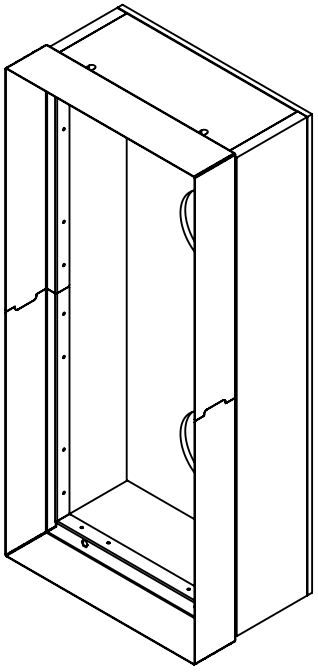
SCALE:1:5

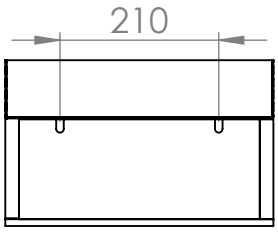
SHEET 1 OF 1











UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING / REVISION

	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
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TITLE: 20250515 Technical_Drawing_Dimensions_Compac_ITW_mounting_frame

MATERIAL:

DWG NO.

A4

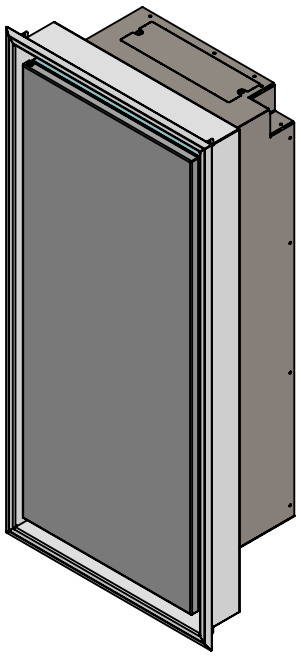
WEIGHT:

SCALE:1:10

SHEET 1 OF 1

optional:

everywhere connection



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING / REVISION

	NAME	SIGNATURE	DATE
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APPV'D			
MFG			
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TITLE: 20250829 - Technical_Drawing_Dimensions_ Compac_ITW_unit.PDF

MATERIAL:

DWG NO.

A4

WEIGHT:

SCALE:1:10

SHEET 1 OF 1