

# INSTRUCTIONS FOR USE AND INSTALLATION

## XR-GRILL – Combined inlet and exhaust

### 1. General information

#### 1.1. Introduction

- This document is intended for the correct installation of the "Combined Intake and Exhaust Outlet" (hereinafter referred to as XR-GRILL) on the exterior wall (façade). The XR-GRILL's primary use is to intake and exhaust air to the Xroom heat recovery unit (separate accessory). If the installation and installation principles specified in this document are observed, the XR-GRILL can also be used for other devices where there is a need to combine the air intake and exhaust into one outlet.
- A detailed reading of this document is important for the correct and safe installation and operation of the XR-GRILL.
- Failure to comply with the terms and conditions specified in this document may result in future malfunction or limited functionality of the XR-GRILL.

#### 1.2. Using XR-GRILL

- XR-GRILL is designed to be installed on the final exterior wall (façade). The main function of the XR-GRILL is to separate the supply and exhaust air from the heat recovery unit, ensuring that the condensate drain is directed outside the outside wall.
-  **The XR-GRILL does not contain any flap to shut off the air inlet or outlet – it must be solved separately in the supply and exhaust pipes (Xroom) or in the unit itself.**
- The XR-GRILL must not be operated in environments with a risk of explosion, increased dustiness or air containing other harmful impurities, for the extraction of burning or glowing substances, for the extraction of easily flammable or explosive gases, for the extraction of aggressive media, for the extraction of liquids of all kinds.
- Consider placing the XR-GRILL outdoors to prevent it from being damaged or blocked (e.g.: by surrounding vegetation, landscaping) due to supply, exhaust air and condensate drainage.

#### 1.3. Transport, Delivery Control & Storage

- The XR-GRILL must not be loaded with additional weight than the manufacturer allows. It must not be exposed to environmental influences. The transport air temperature must be between -25 and 55 °C. The transport relative humidity must be between 10 and 90 % non-condensing.
- When you take over the XR-GRILL from transport, check the packaging for any traces of damage. In case of damage to the packaging, write a damage report and contact your carrier.
- Check that the product you ordered matches. Any discrepancy with the order, please report it immediately to the supplier. If the complaint about the order is not made immediately after delivery, it will not be taken into account later.
- If you do not install the XR-GRILL immediately after purchase, it must be stored in an indoor, non-condensing environment at temperatures between +5 and +40 °C. If the product is transported at temperatures below 0 °C, it must be placed in the working environment where it will be installed for at least 2 hours after unpacking.

#### 1.4. Package contents

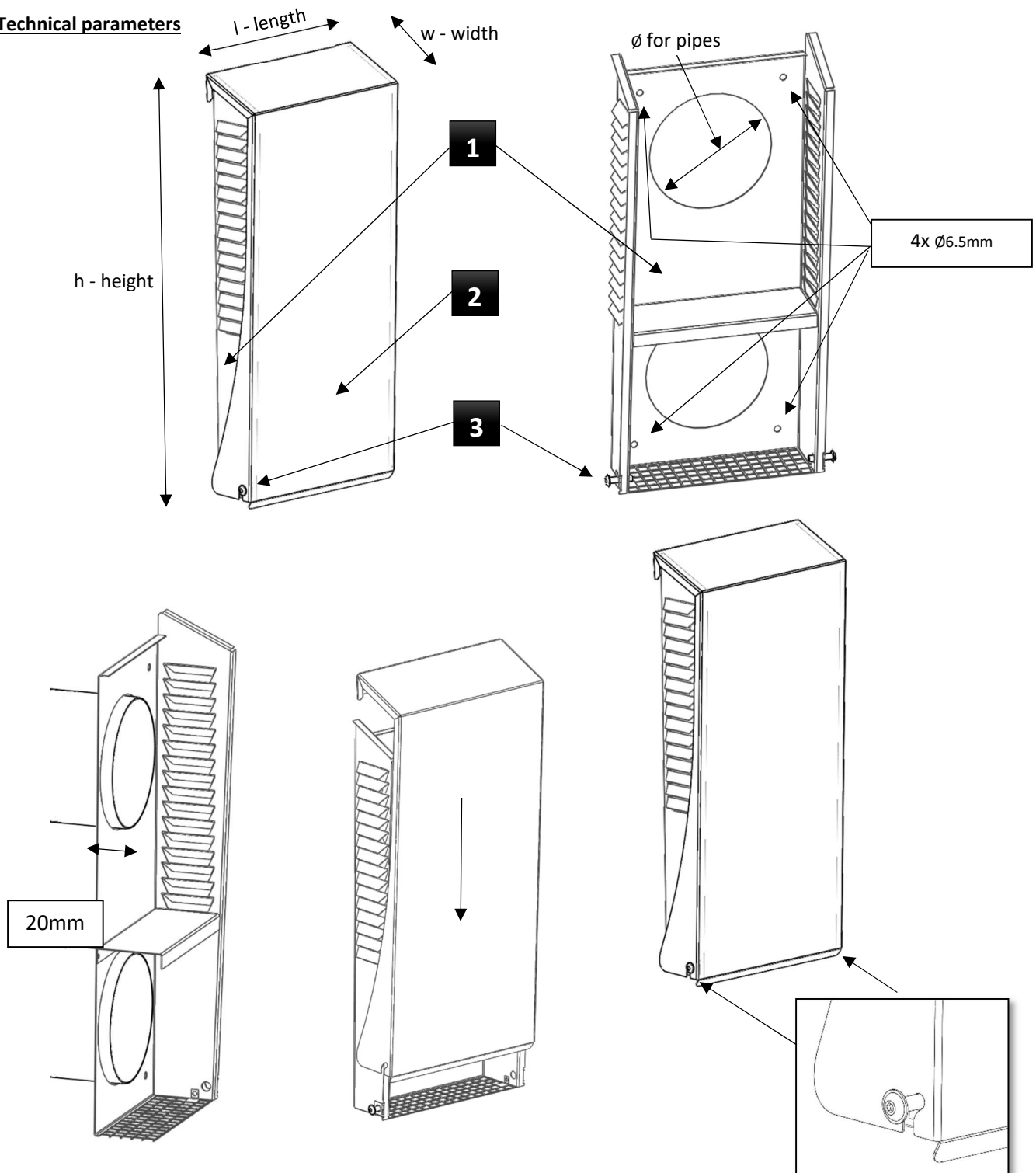
- Combined outlet – according to the diameter of the connecting pipe  
  - o XR-GRILL-125 (for pipes with a diameter of 125mm) 1x
  - o XR-GRILL-150 (for pipes with a diameter of 150mm)
- Instructions for use 1x

#### 1.5. Before you start the installation

-  **Make sure the anchor wall is strong and cohesive enough for the XR-GRILL installation**
- **Choose a suitable anchoring material, according to the material composition of the anchoring wall.**
- **Check that the pipe on which you will mount the XR-GRILL is of the appropriate diameter and that it has sufficient overlap over the perimeter of the wall (approx. 10mm)**
- **Consider placing the XR-GRILL to prevent it from being damaged or clogged (e.g.: surrounding vegetation, landscaping) due to supply, exhaust air and condensate drainage.**
- **Make sure that there are flaps in the inlet and outlet pipes to prevent "free" airflow, which also serves as protection against freezing of the unit. At the same time, make sure that the flaps in the duct are installed correctly downstream:**
  - o **Supply pipe – the damper must open towards the unit**
  - o **Exhaust pipe – the damper must open outwards from the unit**

- Make sure that all connections in the drain pipe, which can be used for condensate drainage, are properly sealed against water and at the same time that there is no obstruction in the pipe that would prevent the condensate from flowing out arbitrarily (e.g.: the inner edge of the damper) or it must be removed.

## 2. Technical parameters



### 2.1. Front diffuser cover – (position 1.)

- Metal cover made of galvanized steel sheet th. 0.8mm powder coated to prevent corrosion. Standard version in RAL 9003 (white)

### 2.2. Rear part of the outlet – (position 2.)

- Metal cover made of galvanized steel sheet th. 0.8mm powder coated to prevent corrosion. Standard design in RAL 7016 (anthracite). At the same time, the rear part also serves as an anchoring part to the wall, where the outlet will be located.

### 2.3. Locking Screws – (Position 3.)

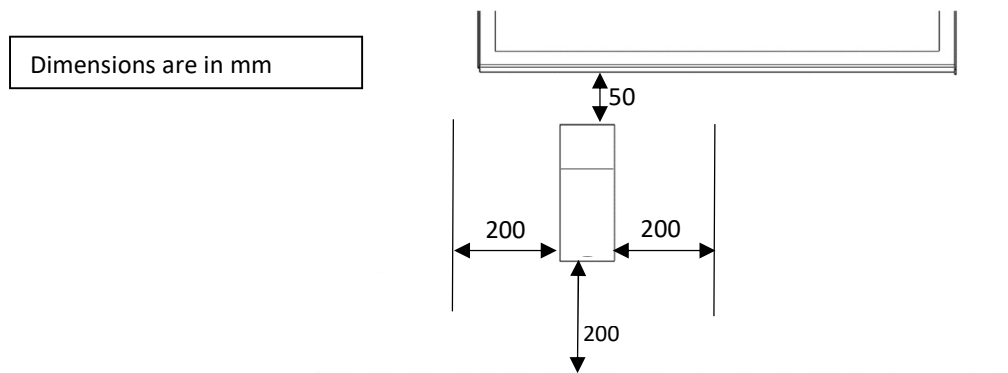
- They secure the front cover of the outlet against accidental falling out.

## 2.4. Basic technical parameters

| Type of combined outlet | Diameter of anchoring holes | Pipe hole diameter | Dimension of the combined diffuser | Weight netto/bruto | Package size    |
|-------------------------|-----------------------------|--------------------|------------------------------------|--------------------|-----------------|
|                         | mm                          | mm                 | m (h x w x l)                      | kg                 | m (h x w x l)   |
| XR-GRILL-125            | 6,5                         | 155                | 480 x 0,08 x 0,22                  | 2,5 / 3            | 0,6 x 0,3 x 0,4 |
| XR-GRILL-150            |                             | 185                | 570 x 0,09 x 0,25                  | 3 / 3,5            | 0,6 x 0,3 x 0,4 |

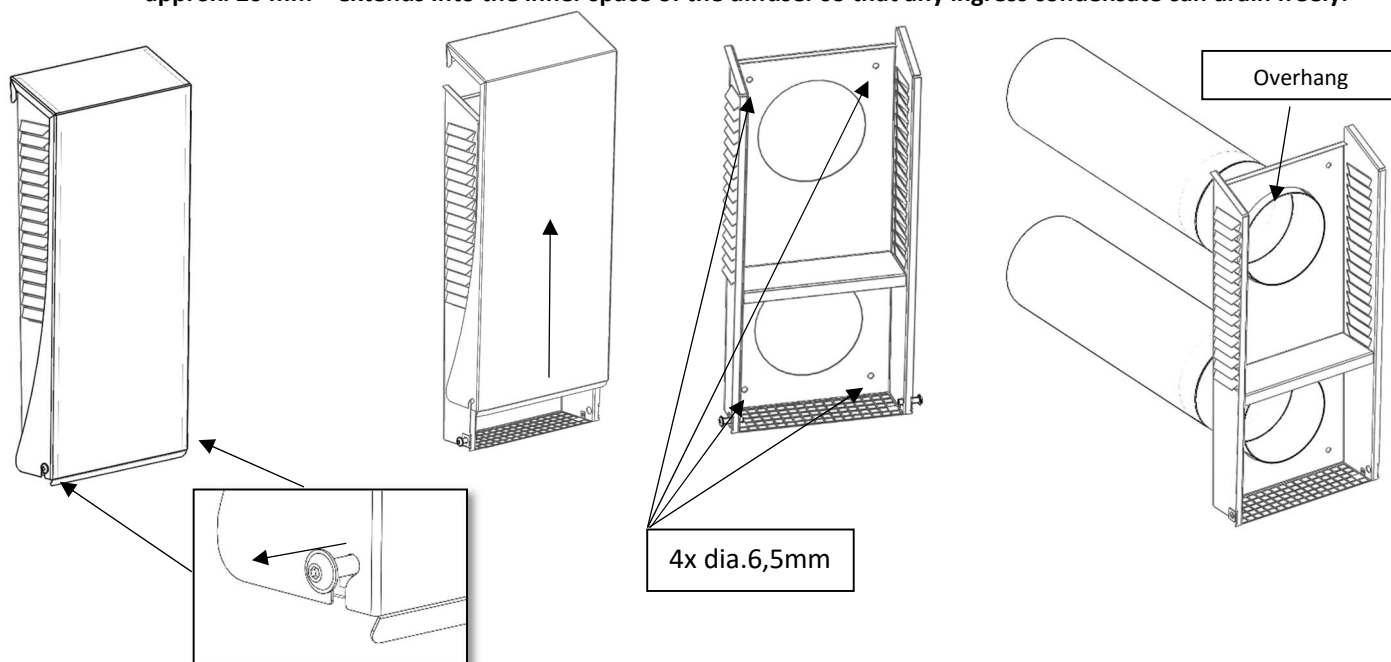
## 3. Installing the XR-GRILL

### 3.1. Minimum installation distances



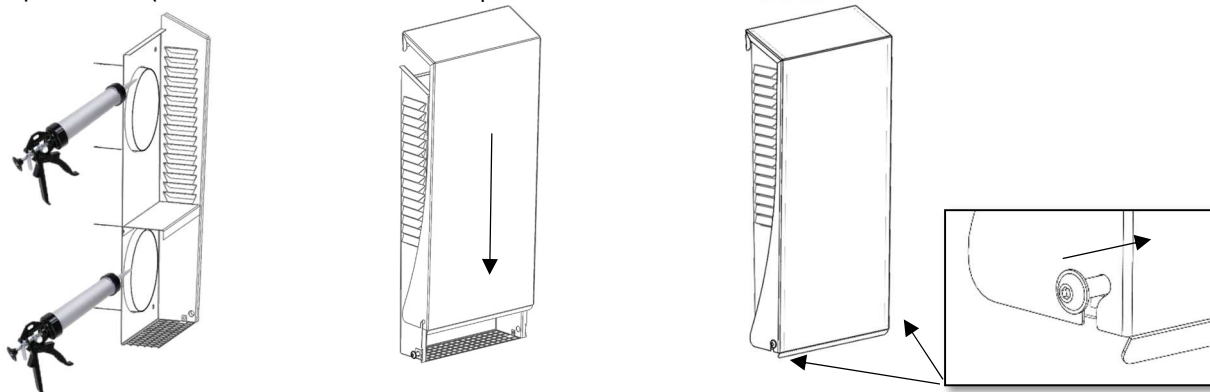
### 3.2. Alignment, installation of XR-GRILL diffuser

- From the package – box, take out the metal combined spout
- Loosen the locking screws of the outlet cover and slide the front diffuser cover upwards
- Use the 6.5mm diameter mounting holes at the back of the diffuser to attach it to the wall. Choose a suitable anchoring material according to the composition of the wall (anchoring material is not included).
- **When anchoring the rear part of the outlet, make sure that the pipes from the unit and the penetration holes in the rear part are correctly centered. At the same time, check that the overlap of the lower pipe over the wall – approx. 20 mm – extends into the inner space of the diffuser so that any ingress condensate can drain freely.**



- **After anchoring the back part, seal the joint with MS polymer sealant to seal the gap between the outlet, pipe and wall.**

- Replace the top cover of the diffuser from top to bottom and secure with screws



- For use with the Xroom heat recovery unit, we recommend using the mounting kit XR1-010-DUCT-2 or XR1-025-DUCT-2 (depending on the selected unit variant), which contains ready-made assemblies with a flap for the supply and exhaust pipes and a combined outlet.

#### 4. Recycling and dismantling

- When dismantling the XR-GRILL, generally applicable safety regulations must be observed to ensure that all work is carried out safely.
- Individual parts are disposed of in accordance with the requirements of the Waste Act No. 541/2020 Coll., as amended.



Please hand over all unnecessary or obsolete products and packaging to the appropriate recycling points, where they will be disposed of professionally. Dispose of unusable parts of the product in a controlled landfill. Only a product recycled in this way can be properly reused and put back to use.



#### 5. Guarantee

- The warranty on the XR-GRILL is valid in accordance with the legal regulations. The warranty is only valid if all installation and maintenance instructions are followed. The warranty covers manufacturing defects, material defects. We do not guarantee the suitability of XR-GRILL for special purposes, the determination of suitability is fully within the competence of the customer.
- The warranty does not cover defects caused by:
  - o improper handling,
  - o during transport (damage caused by transport – financial compensation must be dealt with by the carrier),
  - o failure to comply with the installation conditions,
  - o Improper operation
  - o interference with the product,
  - o wear and tear in the normal way,
  - o due to a natural disaster.
- When making a warranty claim, it is necessary to submit a protocol (located in the product documentation) that contains:
  - o Claimant/company details
  - o Date and number of the sales receipt
  - o detail of the fault description,
  - o A photo from the installation site of the product,

In the case of warranty and post-warranty service, please contact your supplier or the installation company that carried out the installation. The method of resolving the warranty repair is solely at the discretion of the company's service or by agreement. The complaining party will receive a written statement on the outcome of the complaint – warranty repairs. In the event of an unjustified complaint, all costs associated with it shall be borne by the claimant.

#### 6. Finally

If you have any questions about this product, please feel free to contact us. The contact address is given in the header of the manual.

##### **Contact Address:**

Xvent s.r.o.  
Poděbradská 289 53009  
Pardubice-Trnová Czech Republic  
www.xvent.cz