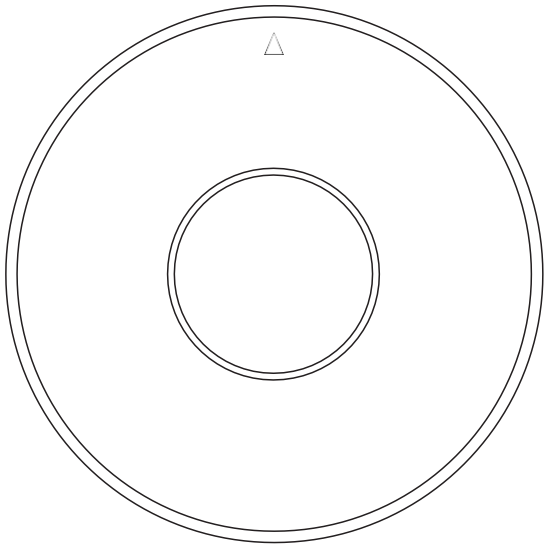
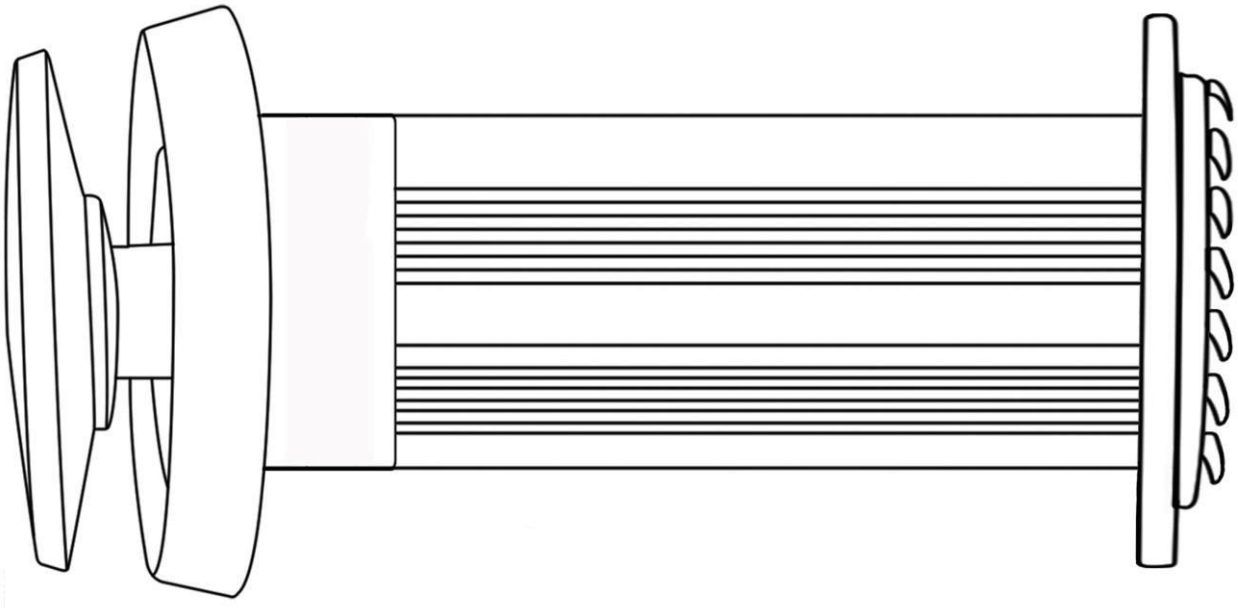
USER MANUAL

BalanceAir100/160 by Prodmax

BalanceAir





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General Safety Requirements

- Before operating the valve, familiarize yourself with this manual.
- The wall ventilation valve is safe, contains no electrical parts, or other high-risk elements.
- Valve installation can be performed independently according to this manual or by a specialist familiar with the device and installation rules.
- Do not apply excessive force or impact to valve components during installation/removal to avoid damage.
- Operating the device without the installed cleaning filter is not recommended.
- Children under 12 years old are prohibited from using the valve without adult supervision.

Application

The ventilation valve provides natural inflow of fresh air, purified from dust and allergens using a built-in replaceable filter element with G4 filtration class. Designed for installation in the external wall of residential premises, service and technical rooms, as well as hotels, dormitories, and offices.



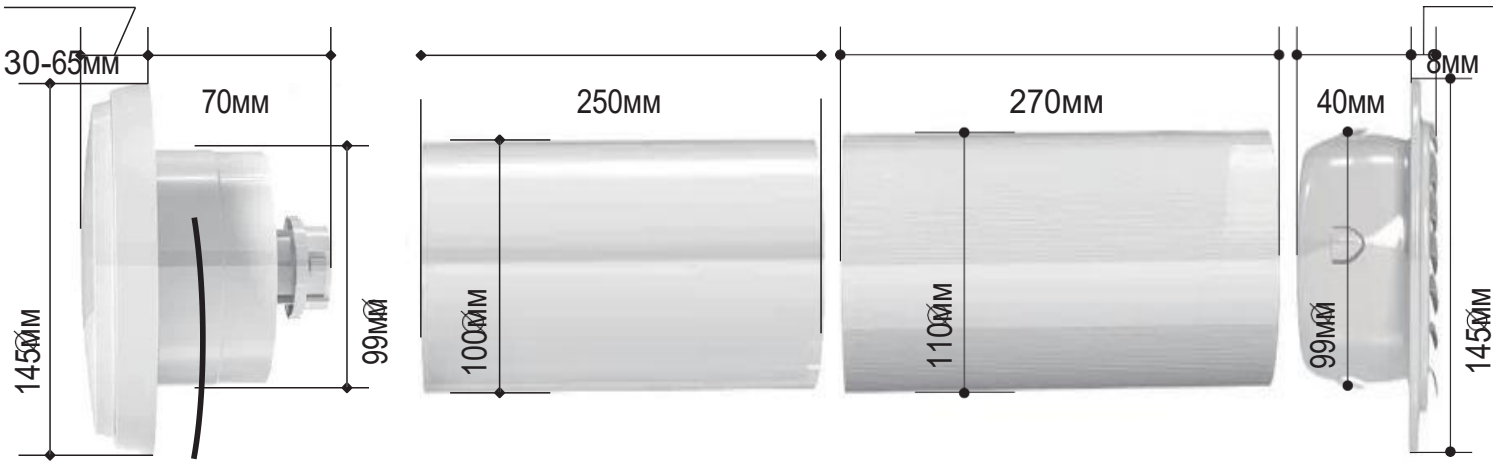
Operating principle

Air movement through the valve occurs due to the difference in pressure between the outside and inside of the building. Clean air is drawn into the room through the valve, replacing stale air which is removed from the room through exhaust ducts to the outside. The volume of air passing through the valve is regulated both automatically, using a thermo-element depending on the temperature of the passing air, and manually, by the position of the screw-on damper.

Technical Specifications

Operating temperature range	from -40° to +50°C
Telescopic duct diameter	100-110 mm.
Wall channel diameter	from 110 to 132 mm.
Wall thickness (standard set)	from 200 to 500 mm.
Extension possibility	possible
Capacity (throughput)	50 m³/h.
Capacity (forced ventilation)	up to 50 m /h.
Capacity (natural ventilation)	up to 30 m'/h.
Internal valve panel dimensions	0145 mm, depth 30-65 mm.
Packaging dimensions(LxWxH)	350x185x180 mm.
Packaging volume	0.012 m:
Gross weight	1 kg.
Net weight	0.85 kg.

Product Dimensions



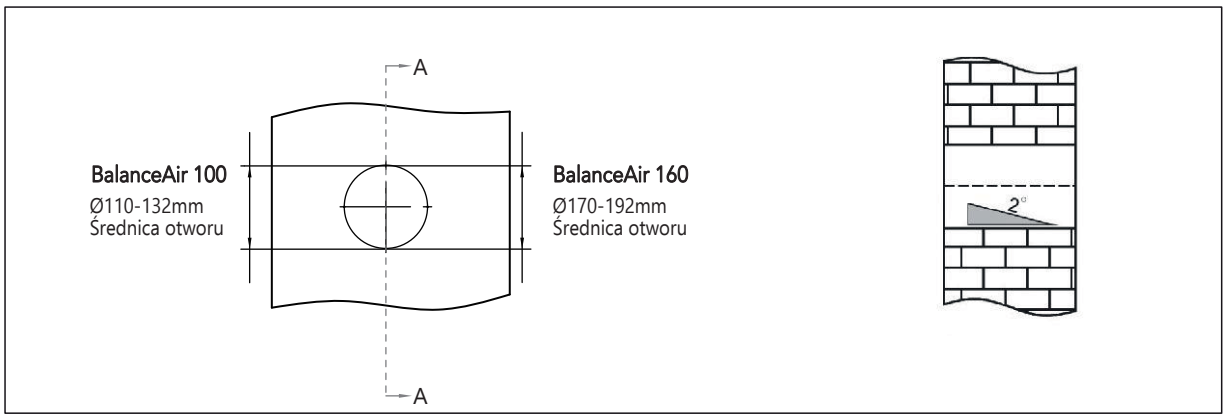
Product Accessories



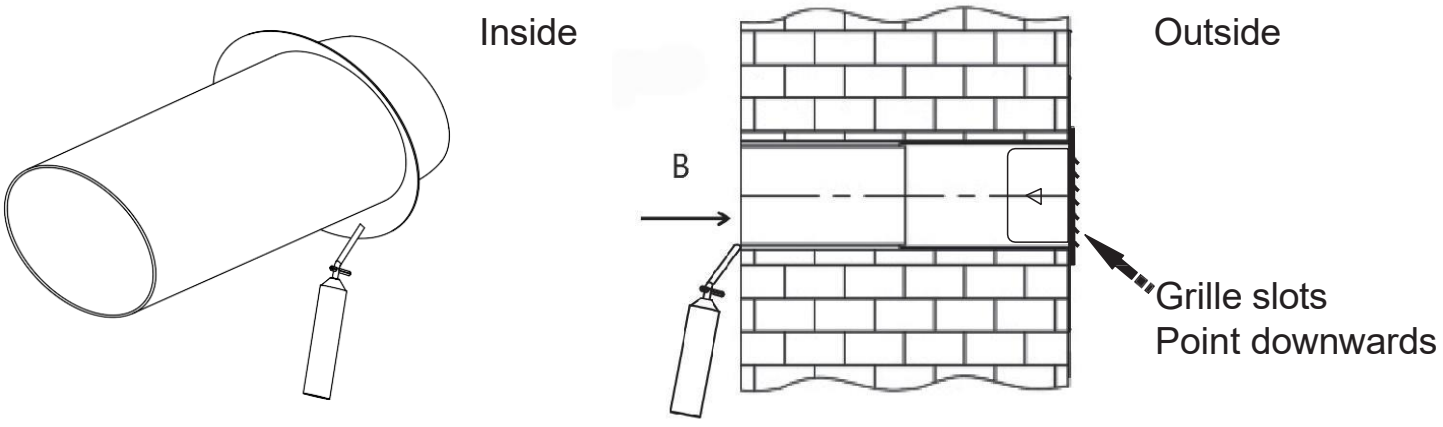
- Valve with thermo-element and screw-on cover - 1 pcs
- Rubber sealing ring – 1 pcs.
- Metal frame for filter element – 2 pcs.
- G4 filter element - 1 pcs
- Telescopic air duct 250-500 mm – 1 pcs
- External grille – 1 pcs
- Mounting kit – 1 pcs
- This manual - 1 pcs.

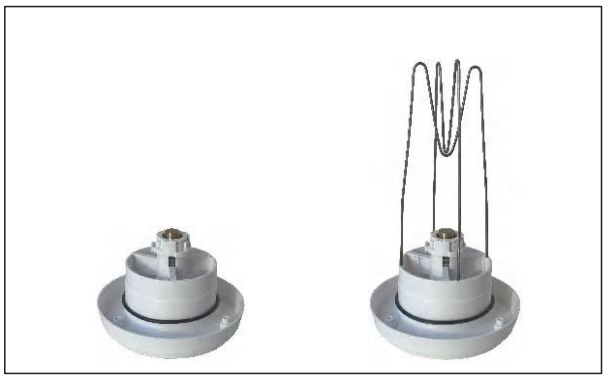
Valve Installation

1. Choose the valve installation location on the external wall of the room. If in doubt, consult the seller.
2. Prepare a through hole in the external wall with a diameter of 110 - 132 mm with a slope towards the street of at least 2°

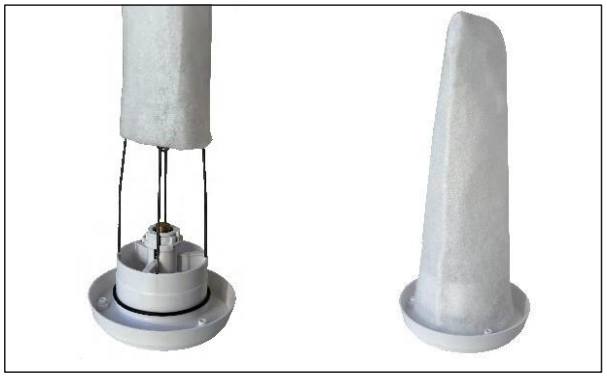


3. Connect the internal and external parts of the air duct, test fit, and cut them according to the hole depth.
4. Install the external grille on the wide side of the air duct and secure it firmly to the air duct (or later to the wall) using self-tapping screws.
5. Insert the air duct with the grille into the hole from the street side. Align the air duct relative to the center of the hole, maintaining the slope towards the street of at least 2°. Secure it with mounting foam or another sealant (insulation). Secure the external grille to the wall if it was not previously firmly attached to the air duct.





6. Carefully, without damaging the hole walls, install the metal frame for holding the filter onto the valve.
7. Position the rubber sealing ring along the visible step line of the valve (20-25 mm from the edge).



8. Place the filter itself onto the frame, sliding it almost completely to the base of the valve so that the rubber sealing ring is covered by the filter.



9. Unscrew the valve's screw-on cover to the intermediate lock position. The triangular marker on the edge points vertically upwards. Carefully, holding only by the body, insert it into the prepared ventilation channel in the wall until it stops.



10. If necessary, while holding the valve to prevent displacement, fully unscrew the internal rotating cover and secure the valve to the wall through the provided holes.

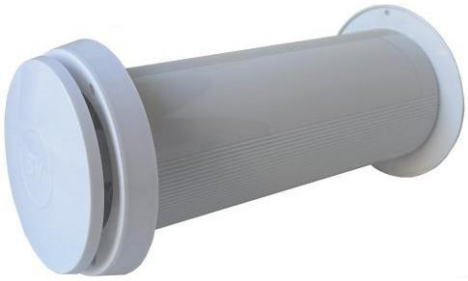


Place the cover back on and screw it to the intermediate lock position.

12. The valve is ready for operation and installed in the standard position according to the factory settings for automatic operation within the temperature range where it is fully closed at -5 °C and fully open at +10 °C.

OPERATION

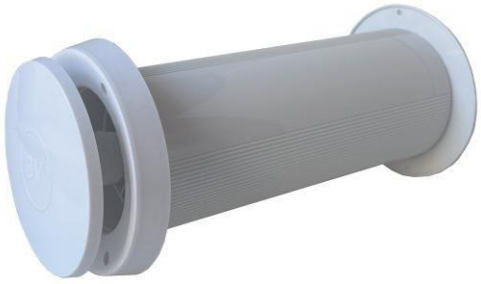
The ventilation valve is equipped with a sensitive thermostat that automatically regulates the air supply by opening (extending) the internal rotating (screw-on) cover depending on changes in outdoor temperature.



1. Set the valve's rotating cover to the standard position by rotating it until the intermediate "click" is felt.



2. Then the valve will fully close when the temperature of the air passing through it is below -5°C

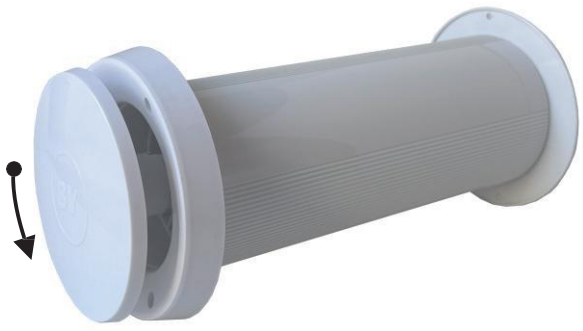


3. and, conversely, fully open when the temperature of the passing air is +10°C and higher.

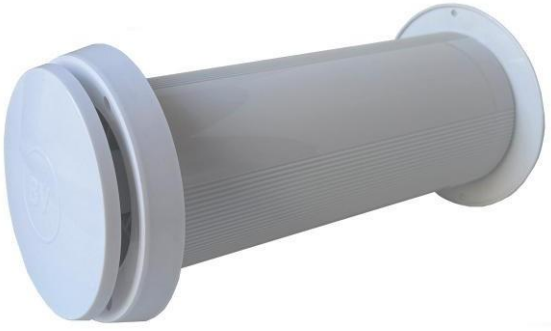
Ventilation Valve Adjustment

The initial standard adjustment position is set by rotating the internal cover until a distinct "click" is felt, the intermediate stop. In this position, the cover has temporary resistance to further rotation.

Turning the cover counterclockwise (unscrewing) by 1 turn or more from the standard position will increase the air gap

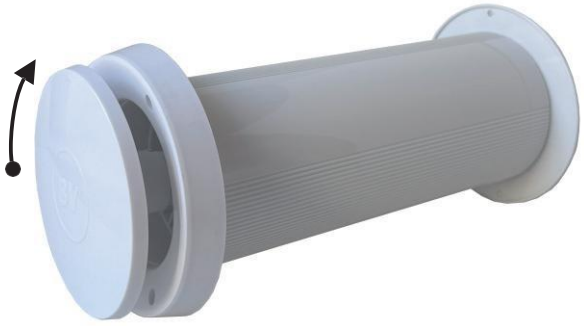


And will create an incomplete closing of the valve when the temperature of the passing air drops to -5° and below

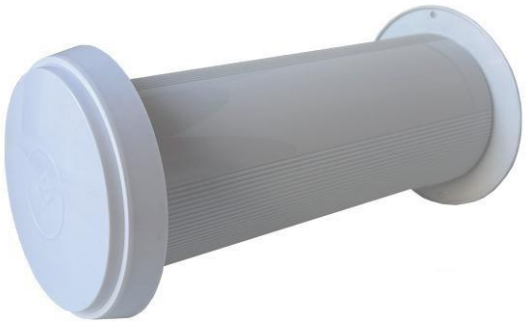


This adjustment will provide a constant flow of air, and the number of turns to unscrew will accordingly increase its volume to the value you need.

Rotate the cap clockwise (tighten) 1 turn or more



Will ensure a reduction in the gap and as a consequence earlier closing of the valve, right up to complete blocking of the air channel over the entire range of temperatures



MAINTENANCE

To maintain the efficiency of the valve, periodically clean the valve components and the filter element from dust and dirt. Cleaning should generally be performed at least once a year. However, in cases of high pollution levels, near highways or industrial enterprises, more frequent cleaning may be required
The filter element of the "BalanceAir" valve is reusable and should be cleaned and reused
To clean or replace the filter, unscrew and remove the internal screw-on cover. Unscrew the mounting screws securing the valve to the wall and carefully, without damaging the filter frame, remove the valve from the wall. Also carefully remove the filter, clean it, rinse it under running water, and dry it before installation. Blow out the ventilation channel from the inside to remove dust and dirt. Clean the external grille if necessary. Carefully reassemble everything and install in reverse order..

ATTENTION: The manufacturer constantly improves its products and reserves the right to make changes and/or additions to the product that do not impair its main consumer properties.

Transportation and Storage Rules

Store the product in the manufacturer's original packaging in a dry room that must not contain vapors of aggressive substances and chemical mixtures causing corrosion and deformation of insulation and seals.
Comply with the requirements for loading and unloading operations applicable to the relevant type of cargo.
Transportation by any type of vehicle is permitted provided the valve is protected from mechanical damage and atmospheric influences.
Avoid any mechanical shocks during loading and unloading operations.
If all the rules specified in this manual are followed, the manufacturer sets: Service life of 10 years and Warranty period of 24 months from the date of sale, valid only with a completed warranty certificate.