

## INVISIVENT® COMFORT HIGH

Renson Ventilation, IZ 2 Vijverdam, Maalbeekstraat 10, 8790 Waregem – Belgium  
Tel. +32 (0)56 62 71 11, fax +32 (0)56 60 28 51, [info@renson.be](mailto:info@renson.be) [www.renson.eu](http://www.renson.eu)

### PRODUCT FEATURES (text marked in red can be deleted at your discretion)

- **Type:** Thermally broken, noise-reducing, self-regulating valve ventilation for installation on the window
- **Acoustic comfort:**
  - **Equipped as standard with acoustic damping material** (polyurethane foam)
  - **Integrated** replaceable acoustic foam: no additional acoustic module to the inside
  - Meets **acoustic class 1** according to NBN S 01-400-1
- **Self-regulating non-return valve:**
  - Self-regulating effect at pressure differences of **10 Pa**
  - Automatically responds to pressure differences/wind strength and cannot be influenced by the user
  - **Non-return valve:** prevents cross-ventilation and the associated energy losses and comfort problems
- Adjustable aluminium inner valve directs the airflow upwards: **Coandă effect**
- Non-punched, controllable inner valve with gripping edge: **5 positions**
- **Condensation-free**, due to the **thermally insulating** profile on the inner valve
- **Insect-proof:** invisible, perforated inner profile (3.9 x 9.8 mm)
- **Easy cleaning:** Removable inner profile + removable acoustic foam
- **Controls:** **manual, cord, rod**
- **Finish:**
  - **Anodised** (F1) / **powder-coated** in the same RAL colour as the window profiles / **bicolour**
  - Colour of endcaps = colour of window profile
- **Construction height:** 65 mm / visible outside opening: 33 mm
- **Recessed installation on the window profile** (0 mm glass reduction):
  - Suitable for window profile thicknesses of 50 to 202 mm (and thicker on request)
  - Completely recessed installation **both indoors and outdoors** (completely invisible)
  - Optional **designer outer cover** available
- **Perfect airtight connection** to the window profile due to **coextruded, flexible sealing** over the entire length of the window ventilation, including the endcaps.
- **Installation:**
  - **Directly** anchor the window ventilation to the window with **screws**
    - Screw zone provided in the PVC body
    - **Additional screw zone** through the aluminium outer profile makes it possible to anchor the product at any time without damaging the thermal bridge of the window profile
    - Quick and easy installation due to the **monobloc** principle
  - Guaranteed **stability** of window and louvre due to monobloc principle + **additional reinforcement with screws** in body (every 280 mm)
  - Integrated **Euronut dowel slot** for good anchoring to the wall
- **Flexible and aesthetic interior finishing:**
  - Airtight wet plastering: easy to do due to removable vertical rib, which allows a standard plaster profile (commercially available) to be used.
  - By removing the vertical rib, a recess is created in which an MDF board, plasterboard, or PVC panel can be placed.
  - A buffer area prevents plastering of the inner valve
- Optionally available with **Pollux filter:** for rooms with high particulate and pollen levels

## APPLICATION

- Can be combined with Invisivent AIR in the same project due to the similar look & feel
- Dimensioned at 10 Pa: can be used as standard as supply ventilation in dry rooms where an extraction point is also provided
  - Optimal control of the airflow (demand controlled ventilation system determines how much air enters)
  - Allows for the integration of a non-return valve to minimise cross-ventilation and energy losses

## PERFORMANCE LEVEL

- **Self-regulating:** Yes
- **U value:** 1.8 W/(m<sup>2</sup>K)
- **F value:** 0.86
- **Water resistance up to:** 900 Pa in closed position
- **Water resistance up to:** 150 Pa in open position
- **Leakage rate at 50 Pa:** < 15% (in closed position)
- **Burglar resistance:** class 2 (if window is WK2)
- **Sound damping D<sub>n,e,w</sub> (C;C<sub>tr</sub>):**
  - In open position: 39 (0;-2) dB
  - In closed position: 51 (-1;-3) dB

Properties:	
Airflow Q at 1 Pa	2.3 l/s/m
Airflow Q at 1 Pa	8.3 m <sup>3</sup> /h/m
Airflow Q at 2 Pa	4.7 l/s/m
Airflow Q at 2 Pa	16.8 m <sup>3</sup> /h/m
Airflow Q at 10 Pa	12.4 l/s/m
Airflow Q at 20 Pa	18.2 l/s/m
Equivalent area	2936 mm <sup>2</sup> /m
Self-regulating	N/A
Surface area	0.065 m <sup>2</sup> /m

Właściwości:	
Przepływ powietrza Q przy 1 Pa	2.3 l/s/m
Przepływ powietrza Q przy 1 Pa	8.3 m <sup>3</sup> /h/m
Przepływ powietrza Q przy 2 Pa	4.7 l/s/m
Przepływ powietrza Q przy 2 Pa	16.8 m <sup>3</sup> /h/m
Przepływ powietrza Q przy 10 Pa	12.4 l/s/m
Rzeczywista powierzchnia szczeliny przewietrzającej:	18.2 l/s/m
Przepływ powietrza Q przy 20 Pa	2936 mm <sup>2</sup> /m
Samoregulacja	N/A
Powierzchnia nawiewnika	0.065 m <sup>2</sup> /m