



# BROOKVENT

# airvent

## Aquvent HY

### Dimensions

(width x height x depth)



Regulator Aquvent HY: 420 x 45 x 40 [mm]



Acoustic coupler B: 420 x 45 x 20 [mm]



Acoustic intake dB-R: 390 x 35 x 45 [mm]



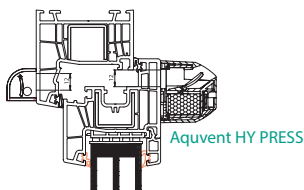
Intake SM Press Vent/Tip Vent: 430 x 21 x 23 [mm]



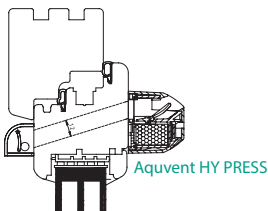
GPE2A flat grill (option): 390 x 20 x 3 [mm]

### Example installation

PVC window



Wooden window



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Suitable for all types of window frame construction

### Installation

Aquvent HY vent regulator is screwed to the joinery. The Acoustic intake dB-R (for improved sound reduction) hood is installed outside.

Notch size:



\* specifications for notch size 12 mm

### Acoustic insulation

Vent	Dn, e, w (C; Ctr)	Dn, e, A2*
Aquvent HY	36 (0; 0) dB	36 dB
Aquvent HY PRESS	36 (0; 0) dB	36 dB
Aquvent HY B	39 (-1; -1) dB	38 dB
Aquvent HY B PRESS	39 (-1; -1) dB	38 dB
Aquvent HY B dB-R	42 (-1; -1) dB	41 dB

\* Dn, e, A2: indicator of insulating a noise which is dominated by low tones such as city street traffic, discotheque music, slow speed rail traffic and far away jet planes

### Air flow

The amount of air depends on the humidity of the interior.

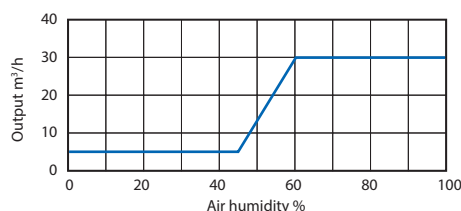
The output of Aquvent HY humidity-sensitive vent ranges from 45–60% depending on the relative humidity in the interior. Capacity: 10 Pa = 7–30 m<sup>3</sup>/h; 20 Pa = 8–42 m<sup>3</sup>/h.

Vent	10 Pa	20 Pa
Aquvent HY	30 m <sup>3</sup> /h	42 m <sup>3</sup> /h
Aquvent HY PRESS	30 m <sup>3</sup> /h	42 m <sup>3</sup> /h
Aquvent HY B	30 m <sup>3</sup> /h	42 m <sup>3</sup> /h
Aquvent HY B PRESS	30 m <sup>3</sup> /h	42 m <sup>3</sup> /h
Aquvent HY B dB-R	30 m <sup>3</sup> /h	42 m <sup>3</sup> /h

*Instructions for designer.*

Negative pressure of 20 Pa should be assumed for calculations of fresh air intake for mechanical extraction ventilation systems.

The chart presents vent output vs. humidity level in a room at a pressure differential 10 Pa.



air window ventilation range