

BRYH

Outer wall louvre



LOUVRES



22/08/2024



Quick facts

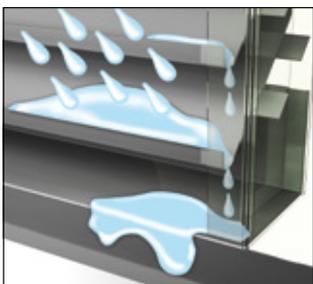
- Improved protection against water ingress when the louvre is used as an outdoor air intake
- The louvre is tested according to the standard EN 13030:2001 and produces 93% water separation at a front speed of 2 m/s
- Magnelis (C4) as standard
- Can be supplied in many different special designs
- Louvres with one side larger than 2000 mm, or both sides 1600 mm or larger, are delivered in a two-piece design

Area of use

BRYH is an outer wall louvre designed for use as a fresh air and exhaust air louvre. The grille consists of a mounting frame with cover flange and drip channel and with removable louvre insert. As standard, the louvre has an insect mesh on the inside. The louvre is also available with a back draught shutter that closes in the event of no air flow.

Water separation

BRYH is tested according to the standard EN 13030:2001. BRYH has improved protection against water ingress when the louvre is used as an outdoor air intake. This has been achieved through deeper louvres and a channel at the front to divert water to the sides of the louvre. When dimensioning the outdoor air, a maximum of 2 m/s across the connection area is recommended.



Channels on the front edges of the louvres divert the water to the sides and to the bottom of the louvre.

Specification

Example:

Outer wall louvre **BRYH - 500 - 500 - 0 - 5 - 0**

Size: Width x Height, mm

Without back draught shutter = 0

With back draught shutter,

Opt. 1 Outdoor air = 1

Opt. 2 Exhaust air = 2

Material:

Magnelis ZM120 C4 (standard) = 5

Stainless AISI 316L – EN 1.4404 = 3

Copper = 4

Surface finish:

Unfinished = 0

Surface finish = 1*

* Colour code should be stated in plain text, see www.bevent-rasch.com

Material, surface finish

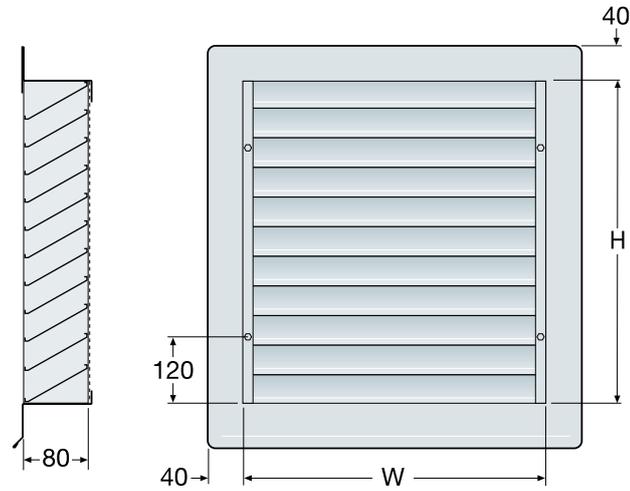
As standard the louvre is made of Magnelis (C4) and can also be supplied in a painted finish in any colour, see www.bevent-rasch.com. The grille can also be manufactured in stainless steel EN 1.4404 (AISI 316L) or copper.

Special

The louvre can be supplied in many different special designs in terms of size, material selection, etc. Louvres with one side larger than 2000 mm, or both sides 1600 mm or larger, are delivered in a two-piece design. For questions about special designs contact Bevent Rasch.



Dimensions



Installation of the back draught shutter

W or H
150 - 200 - 250 - 300 - 400 - 500 - 600 - 700
800 - 900 - 1000 - 1100 - 1200 - 1300 - 1400 - 1500
1600 - 1700 - 1800 - 1900 - 2000

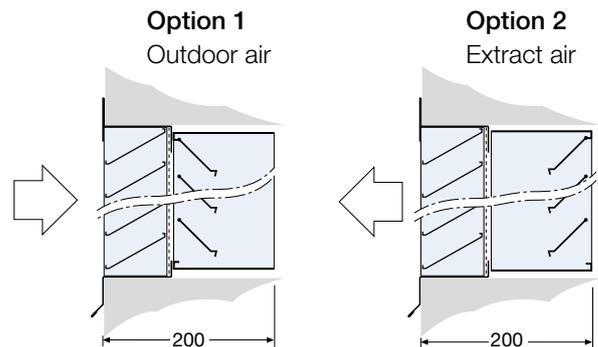
Weight: about 27 kg/m² (excluding back draught shutter)

W x H = Cut-out dimensions

Louvres with one side larger than 2000 mm, or both sides 1600 mm or larger, are delivered in a two-piece design.

Back draught shutter

- Not recommended for dimensions smaller than 300 x 300 mm
- Can not be ordered for louvres in a two-piece design





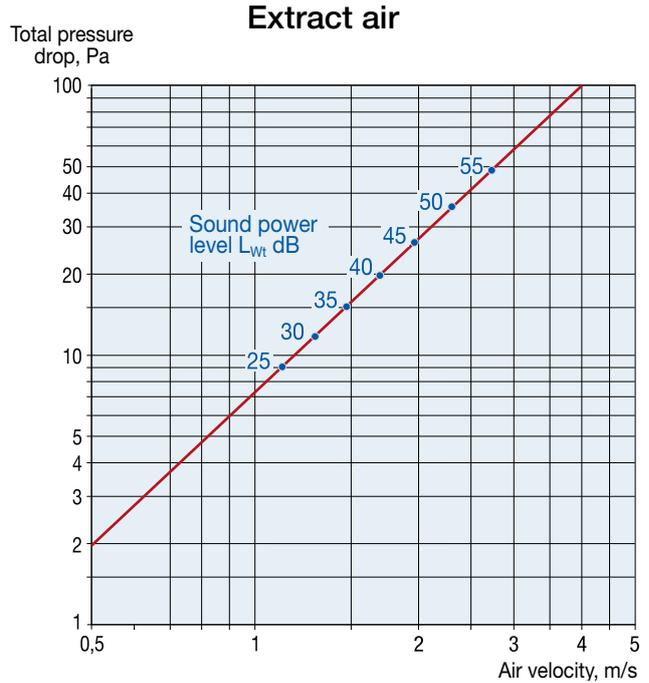
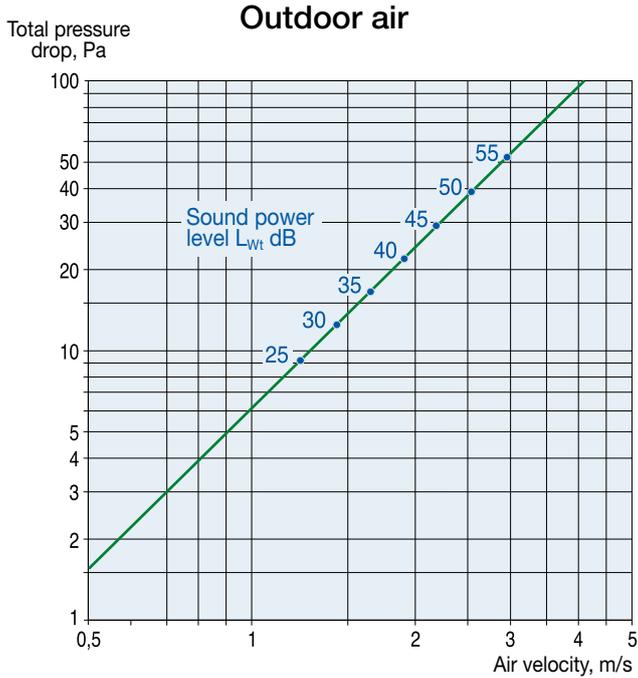
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Size chart

The air speed is calculated on the connection area (gross area). The louvres free area is 55% of the connection area if equipped with insect mesh.

Does not apply if louvre is fitted with back draught shutter.

The diagram show values with the insect mesh fitted, but without the back draught shutter.



Sound data

Correction of sound power level, L_w , for different sizes

$$L_w = L_{wt} + K_1$$

Grille area, m ²	0,12	0,25	0,5	1,0	2,0	3,0	4,0
K_1	-3	0	3	6	9	10,5	12

Correction of sound power level, L_{Wok} , in octave band

$$L_{Wok} = L_w + K_{ok}$$

Centre frequency Hz	125	250	500	1000	2000	4000	8000
K_{ok}	1	0	-5	-5	-10	-17	-22

Reductions in noise level depend on the distance from BRYH and the connection area.

