Sonovent® D < Acoustic ventilator for slant roofs

Self-regulating, acoustic ventilator for installation in rooms below slant roofs

The Sonovent® D makes it possible to ventilate rooms below slant roofs, even if no windows are present. Moreover, thanks to its self-regulating flap, the Sonovent® D ensures the supply of fresh and healthy air without draughts.

Installation in slant roofs
The Sonovent® D has been developed for installation in slant roofs with a minimal slope of 22,5° in order to avoid water infiltration. Importantly, the entire length of the Sonovent® D has to be covered with ventilation tiles.

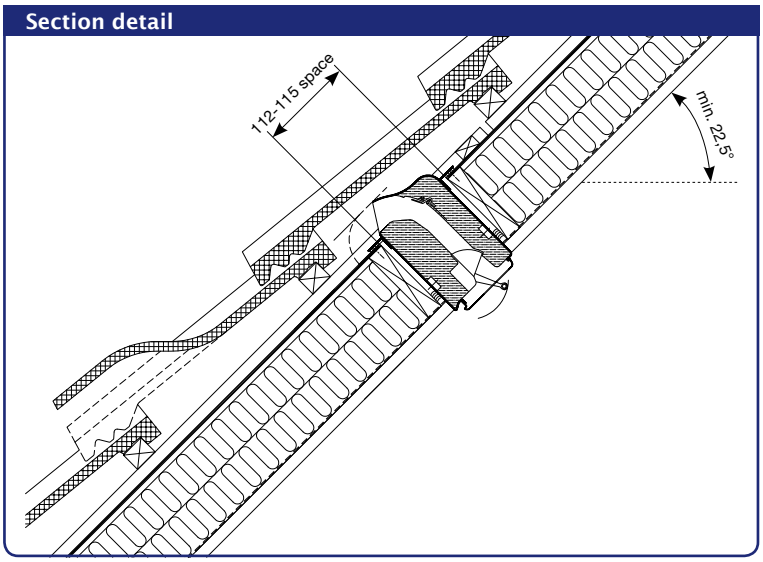
Thermally broken
No cold air transfer from outside to inside.

Self-regulating
Thanks to its self-regulating flap, the Sonovent® D ensures the supply of fresh and healthy air without draughts.

Sound absorption
Various sound reduction levels (depending on the type), up to 41 (-2;-6) dB.

Insect mesh

Section detail



Technical characteristics

Sonovent® D	Small	Medium	Large
Airflow			
Equivalent area		31070 mm²/m	
Q at 1 Pa		24,4 l/s/m	
Q at 1 Pa		87,9 m³/h/m	
Q at 2 Pa		28,0 l/s/m	
Q at 10 Pa		30,8 l/s/m	
Q at 20 Pa		34,8 l/s/m	
Comfort			
Sound reduction $D_{n,e,w}$ ($C;C_{tr}$)			
- in open position	37 (-1;-3) dB	39 (-1;-4) dB	41 (-2;-6) dB
- in closed position		n.p.d.	
Technical characteristics			
Controllable internal flap		continuous adjustment	
Control options internal flap		Manual, cord, rod, motor	
U value	4,5 W/m²K	4,6 W/m²K	4,6 W/m²K
Air leakage at 50 Pa		<15% (in closed position)	
Watertightness in closed position, up to		650 Pa	
Watertightness in open position, up to		100 Pa	
Dimensions			
Height		105 mm (box height) / 155 mm (total height with flanges)	
Roof thickness	170 mm	210 mm	250 mm
Minimal slope		22,5°	
Roof opening		115 mm	
Max. length		1000 mm	