



VENTALIS

Efficient and aesthetically pleasing ventilation system



REYNAERS
aluminium



LET THE INSPIRATION BREEZE IN

Innovative technology to enhance ventilation via aluminium doors and windows

As thermal insulation of buildings improves, the need for an efficient ventilation system also becomes higher. To ensure a sufficient supply of fresh air without losing the benefits of good insulation and security, Reynaers has developed the perfect integrated solution: the Ventalis system with minimalistic aesthetic design and maximal performance.

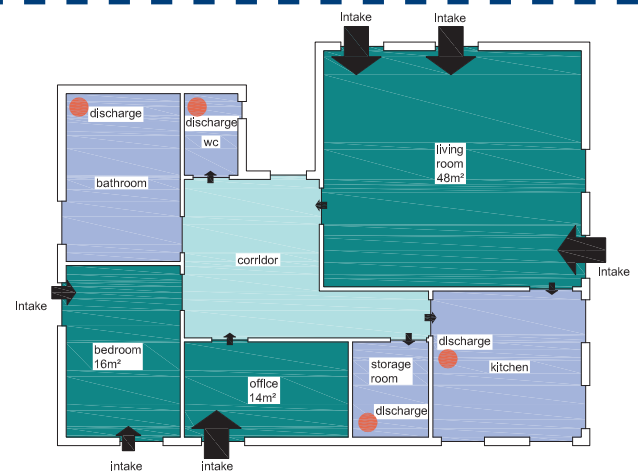
THE PRODUCT: A UNIQUE SYSTEM

- Self-regulating airflow
- Modular system
- Increased acoustic simulation

AESTHETIC AND DISCRETE DESIGN

- Ease of installation: the ventilation units are placed in spaces between the ventilation profile and the window frame (patented):
 - * stable, strong frame including anchoring on top of the window
 - * no need for thicker and more expensive glass
 - * easy hassle-free cleaning and maintenance.
- Improved production time: Fixation of spacer by screwing instead of clamping.
- Minimalistic design: The frames can be mounted partially behind outer walls or façade cladding for a discrete appearance.
- Flexibility and freedom of design for architects: the number of ventilation units depends on the required airflow, not on the dimensions of the window/door.
- Completely integrated solution in the Reynaers system range: The Ventalis can be applied in our windows and sliding doors.

The ventilation profiles exist in various window and door configurations, offering increased versatility for fabricators and architects.



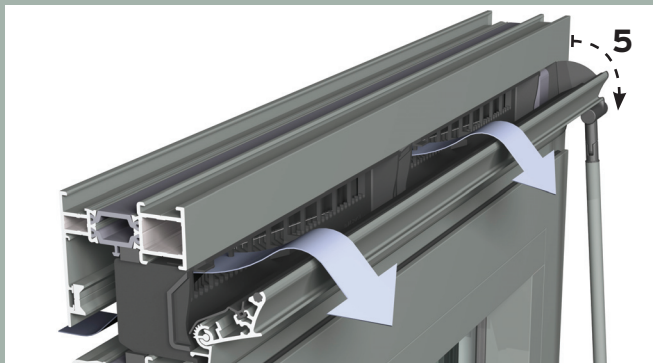
The system can be easily integrated into existing Reynaers' systems.

The Ventalis profiles enable a natural intake of fresh oxygen-rich air in 'dry rooms'. The air is guided towards 'damp rooms', thus creating energy-efficient controlled ventilation.

A BREATH OF FRESH AIR

SELF-REGULATING UNITS

Ventalis is a ventilation system completely integrated in the top part of the windows or doors in the 'dry rooms'. These can be built in different configurations depending on the required airflow to satisfy the applicable regulations. The patented self-regulating units automatically open or close the air inlet when wind pressure increases or decreases, keeping the incoming airflow constant.



AVOIDING CONDENSATION

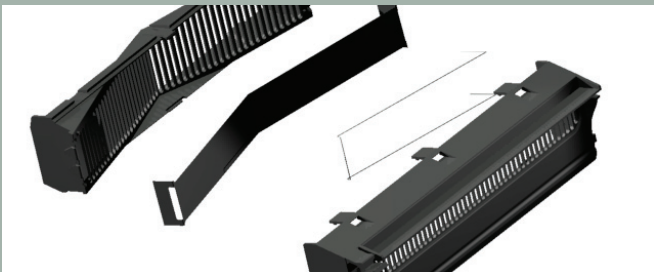
Furthermore, by the implementation of an insulation gasket on the flap and special insulation on the connection pieces, the Ventalis system avoids the risk of condensation.

Ventalis is available for the following Reynaers systems:

Window and Door Systems: Eco System, CS68,

Eco System Optima, CS 68 Optima, CS 77.

Sliding Systems: CP130 and CP155.



EASILY ADJUSTABLE

The ventilation flap can be opened in 5 easily selectable snap positions allowing users to adjust ventilation to changing requirements such as the number of people present in a room. In any position, the self-regulating units keep the airflow at the desired level.

The ventilation units are both insect-repellent and rainproof.







VENTALIS ACOUSTIC

In many environments like crowded and noisy cities, airports and highways, with increased traffic on a daily basis, there is always an even higher demand on the acoustic performance.

Acoustic insulation is of great importance for home environments as well, where the need for relaxation is very high. This does not only concern windows or doors but also the ventilation systems, as they are also an infiltration point for noise. For this purpose Reynaers has developed the **Ventalis Acoustic**, an additional acoustic add-on unit on the inside, which can either be assembled on new Ventalis installations or even be retrofitted on existing Ventalis installations.

The added acoustical properties are provided by using special acoustical dampening material inside the add-on unit.

PERFORMANCES

COMFORT			
	Water tightness	Class 8A (450 Pa) without extra drip cap	Class 9A (600 Pa) with extra drip cap
	Air flow for each unit of 20cm	8,15 m ³ /h	
	Acoustical insulation	ECO System / CS 68 / CS 77 / Optima 27 / 33 Db (Ventalis) 34 / 43 Db (Ventalis Acoustic) (open / closed valve)	CP 130 / CP 155 29 / 37 Db (Ventalis) 36 / 45 Db (Ventalis Acoustic) (open / closed valve)
	Added visible height	66 mm (58 mm visible outside)	



TOGETHER FOR BETTER

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