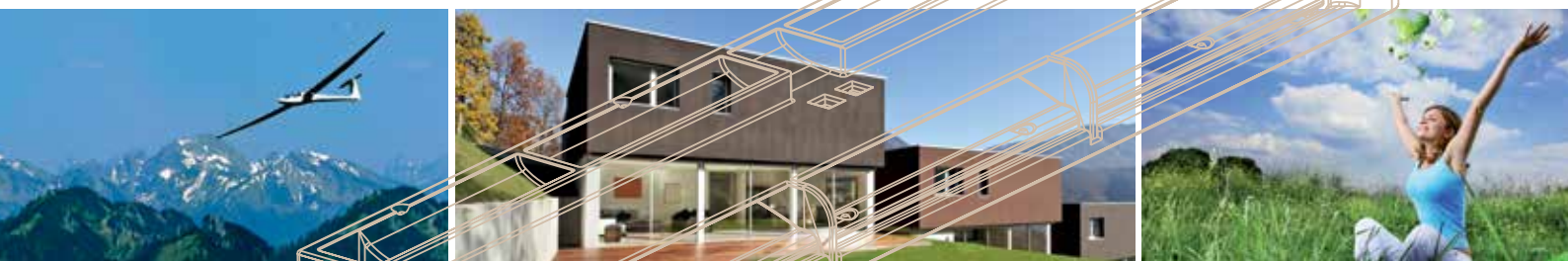


TECHNOLOGY IN MOTION



# MACO VENT

VENTILATION VALVES



The completely new generation for integrated  
window rebate ventilation

CONCEALED  
WINDOW REBATE VALVE



High quality of the room air is a decisive factor for people's well-being and health. At the same time, it also protects the structure of the building.

Energy-efficient design requires airtight building shells. Only in this way, is it possible to utilise the considerable potential available for energy savings.

Efficient composite systems for thermal insulation, modern windows and thermal and visual comfort by way of a continuous exchange of fresh air guarantee lasting and effective energy management.



**More fresh air through intelligent ventilation systems**



## MACO concealed window rebate



Ventilation systems are standard today in energy efficient

building constructions. Modern architecture and highest energy economy go hand-in-hand.

MACO combines both of these factors and offers the window manufacturer new options for ventilation elements above the window.

The concealed window rebate valve from MACO is the most expedient alternative to central and non-central ventilation systems.

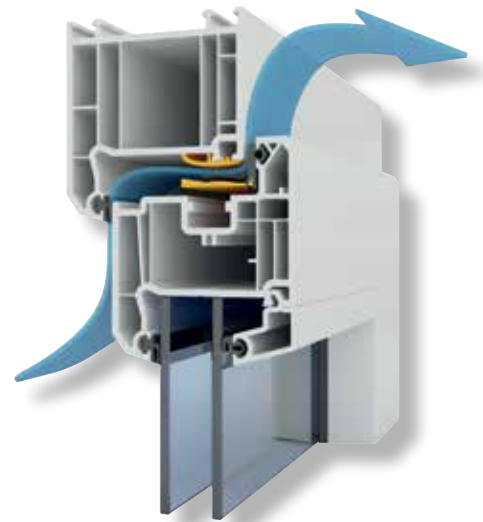
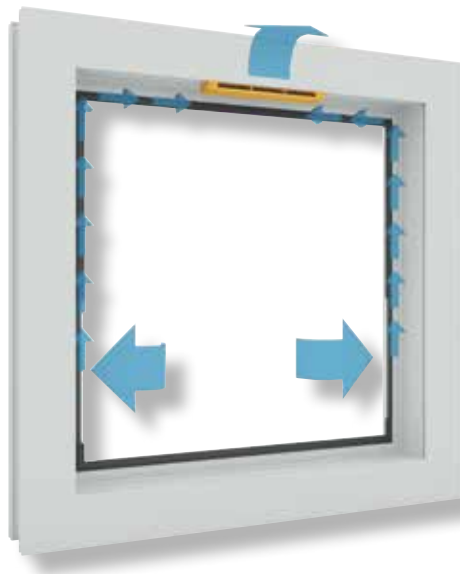
The concealed window rebate valve ensures intelligent, automatic regulation of the air flow and provides a userindependent, optimised exchange of air, and protection against moisture damage.

Furthermore, the user can intervene manually and select a flow rate between "completely open" and "fully closed".





## Windows can breathe freely – unnoticed



- Manually adjustable at any time with active/inactive switch
- Catch protects against strong gusts of wind (and prevents draughts)
- Installation in the window rebate
- Regulated air exchange with the window closed
- Minimum ventilation protects against moisture
- Aerodynamic action
- Section length 140 mm
- Air permeability up to 8 m<sup>3</sup>/h per individual item





## Advantages for manufacturers

- Competent consultancy from MACO
- Regulated, controlled minimum exchange of air with the window closed
- Software tool for secure design of ventilation measures
- User-independent
- Invisible in the window rebate
- Easy installation, also for retrofits
- Stand acc. to DIN 1946-6 and/or DIN 18017-3
- For all conventional PVC window profiles
- Retrofits at any time without special tool
- Does not impair burglary protection
- No routings in the frame

## Benefits for the end user

- Automatic control of minimum air exchange
- Prevents development of bacteria and mould
- Straightforward installation
- Protection against moisture damage
- Economic efficiency and low maintenance
- Active and inactive modes

## Ventilation competence centre services



- Comprehensive ventilation knowledge
- Knowledge of the relevant standards and directives
- Education about moisture damage
- Expertise relating to health risks: Mould, radon, CO<sub>2</sub>, CO
- Latest findings regarding high-energy, airtight refurbishment and knowledge about new requirements for independent minimum ventilation
- Software applications for determining air volumes and valve design
- Special test facilities for the determination of ventilation product / window performance levels
- Documentation and information on how to ventilate properly
- Product development using state-of-the-art flow simulation software

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