


Regel-air® window rebate vents for PVC windows

FFL - for fine-dosed air volume flow							
pressure difference according to DIN 1946-6 in Pa		2	4	5	7	8	
air volume flow in m³/h	1 pair FFL		3,0	3,7	4,0	4,7	5,0
	1,5 pair FFL		3,6	4,5	5,0	5,8	6,2
	2 pair FFL		4,4	5,6	6,2	7,4	7,8
PLUS - for medium air volume flow							
pressure difference according to DIN 1946-6 in Pa		2	4	5	7	8	
air volume flow in m³/h	1 pair FFL + 1 OV		6,0	7,6	8,2	10,0	10,5
	1,5 pair FFL + 1 OV		6,5	8,6	8,8	11,0	11,5
	2 pair FFL + 1 OV		8,6	12,0	13,0	15,0	16,0
FORTE - for high air volume flow							
pressure difference according to DIN 1946-6 in Pa		2	4	5	7	8	
air volume flow in m³/h	1 pair FFL + 1 pair SV (max.)		11,1	14,7	16,1	18,7	20,0
	1 pair FFL + 1 pair SV (min.)		3,0	3,7	4,0	4,7	5,0

Regel-air® window rebate vents for wood windows

FFLH - for wood windows							
pressure difference according to DIN 1946-6 in Pa		2	4	5	7	8	
air volume flow in m³/h	1 pair FFLH (type 24)		2,1	3,2	3,6	4,5	4,7



Regel-air® window vents
Ventilation without
opening windows.

The window vent is a quality
product offered by Regel-air®.

Regel-air Becks GmbH & Co. KG
An der Seidenweberei 12
D-47608 Geldern-Walbeck

Phone +49 28 31/977 99-0

kontakt@regel-air.de



www.regel-air.com

Subject to technical changes. The information supplied is not legally binding.



Made in Germany

Regel-air®



Window ventilation systems

Regulated freshness.
Small vent - great effect.

www.regel-air.com

The problem

Constantly increasing sealing requirements for building envelopes mean that functional home ventilation is essential for a healthy indoor climate.

In older buildings, ventilation was conducted through leaks in the building. This effect no longer occurs. For this reason, the regulation EnEV and standards such as DIN 1946-6 require “user-independent ventilation for moisture protection”.

Houses and apartments must be supplied with sufficient fresh air, if possible without the intervention of the people, so that room humidity and wall moisture are regulated automatically and the formation of mould can be prevented.

Harmful substances are continually carried away through the exchange of air.

The solution

In addition to the functional tasks of a window such as thermal insulation, driving rain resistance and noise insulation, Regel-air® window vents also contribute significantly to energy-efficient and user-independent ventilation, which prevents construction and mould damage.

Burglary protection is also retained. Energy-saving ventilation can be calculated precisely according to DIN 1946-6.

Thanks to their purely mechanical operation and easy installation, Regel-air® ventilation systems are ideal for economical and energy-efficient home ventilation.

Regel-air® window vents enhance the value of your windows.

These tested systems are resistant to driving rain and can also be used in properties with increased noise insulation requirements up to noise insulation class 4.

Regel-air® ventilation systems

There are three different ventilation systems: FFL, PLUS and FORTE.

Depending on the planned ventilation requirements, it is possible to achieve low, medium and high air volume flow. All systems are designed for airflow without milling. By using the ventilation modules, the facade is not modified.

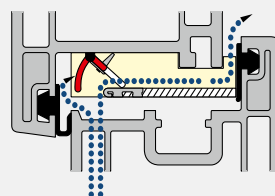
FFL - for fine-dosed air volume flow

The self-regulating Regel-air® FFL window rebate vent made from PVC feature automatic air volume flow restriction and can either be installed in the factory or retrofitted.

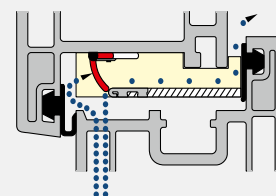


Flaps in the ventilation modules react to wind pressure on the building. They close when the wind is stronger and then open again automatically.

This function prevents draughts.



Regel-air® FFL
Flap open



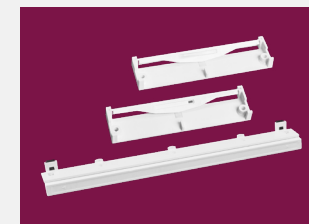
Regel-air® FFL
Flap closed

The mechanical regulation do not require electricity for operation. No maintenance costs or subsequent costs will be incurred.

PLUS - for medium air volume flow

The Regel-air® PLUS ventilation system consists of independently regulated FFL window rebate vents with automatic air volume flow restriction as well as a manually and adjustable overlap vent (OV) to increase the air volume flow.

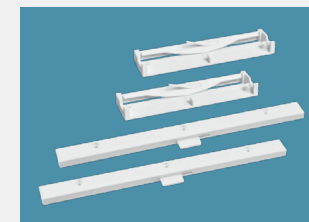
While FFL vents constantly ensures the necessary ventilation for moisture protection, the OV can be regulated depending on the required ventilation.



FORTE - for high air volume flow

The Regel-air® FORTE ventilation system is a combination of two manually and adjustable Regel-air® slide vents (SV) and two Regel-air® FFL window rebate vents with automatic air volume flow regulation. The FFL vents continually ensure effective ventilation for moisture protection.

The SV can be operated as needed. This system even makes it easy to fulfil the enhanced requirements of DIN 1946-6.



All systems can be used as air intake elements for exhaust air systems and shaft ventilation. The FFL system is also an optimal solution for combustion air supply.