



Creating healthy spaces

New!

FLAT THERMALLY BROKEN AND SELF-REGULATING WINDOWVENTILATOR

## THM90<sup>EVO</sup>

- Flat aluminium self-regulating (class P3) flapvent
- Ideal for application into sliding windows and conservatories
- 3 different types available: for installation on glass, at the bottom of the window under the glass, or between profiles (at transom)

patented technology



DOMESTIC USE

## INTRODUCTION

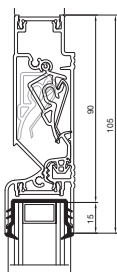
The THM90<sup>EVO</sup> is a flush aluminium thermally broken flapvent for installation in aluminium, timber or uPVC window frames and ideal for sliding doors. The flat punched internal profile serves as an insect mesh and can easily be cleaned.

The internal flap can be set in 5 stepped positions (open/closed + 3 intermediate). A self-regulating (class P3) flap is integrated within the closing flap preventing draughts and guaranteeing watertightness up to 20 Pa in open position.

Three different types of THM90<sup>EVO</sup> are available, each for different glass thicknesses: THM90<sup>EVO</sup> (20, 24, 28, 33 mm) for installation on glass, THM90PB<sup>EVO</sup> (20, 24, 28 mm) for installation at the bottom of the window and the THM90TR<sup>EVO</sup> (20, 24 mm) for installation between profiles (at transom).

## PRODUCT

- The outer profile is a punched profile which leads towards an extra strong profile
- Integrated self-regulating flap
- The flat, perforated inner profile also functions as an insect mesh
- Easy to clean
- End caps available in different colors, matching the aluminium profile
- Quick and easy to assemble from 6 meter lengths
- Wide choice of control options, such as manually, by rod and by motor
- Different ways of installation possible, for different glass thicknesses



THM90<sup>EVO</sup> 20/24/28/33



THM90TR<sup>EVO</sup> 20/24



THM90PB<sup>EVO</sup> 20/24/28



THM90<sup>EVO</sup>



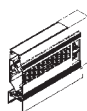
THM90PB<sup>EVO</sup>



THM90TR<sup>EVO</sup>

## TECHNICAL SPECIFICATIONS

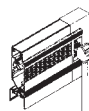
<b>Airflow</b>	
Airflow at 1 Pa	9,6 l/s/m
Airflow at 2 Pa	13,9 l/s/m
Airflow at 2 Pa	49,3 m <sup>3</sup> /h/m
Equivalent area	12216 mm <sup>2</sup> /m
<b>Technical Characteristics</b>	
Controllable	5 stepped positions
U-value	3,8 W/(m <sup>2</sup> .K)
Self regulating	Yes, class P3
Airflow leakage in closed position at 50 Pa < 15%	Yes
Insect mesh	Yes
Watertightness in closed position	Yes, up to 350 Pa
Watertightness in open position up to 20 Pa	Yes, up to 20 Pa
Thermally broken	Yes
<b>Comfort</b>	
Sound reduction D <sub>n,e,w</sub> (C,C <sub>v</sub> ) in open position	26 (0;0) dB
Sound reduction D <sub>n,e,w</sub> (C,C <sub>v</sub> ) in closed position	45 (-1;-1) dB
<b>Dimensions</b>	
Glass reduction	90 mm
Height	105 mm
Glass thickness THM90 <sup>EVO</sup>	20, 24, 28 or 33 mm
Glass thickness THM90PB <sup>EVO</sup>	20, 24 or 28 mm
Glass thickness THM90TR <sup>EVO</sup>	20 or 24 mm



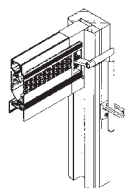
Manual control



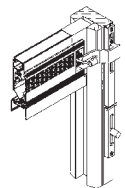
Cord control



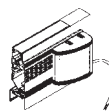
Rod control



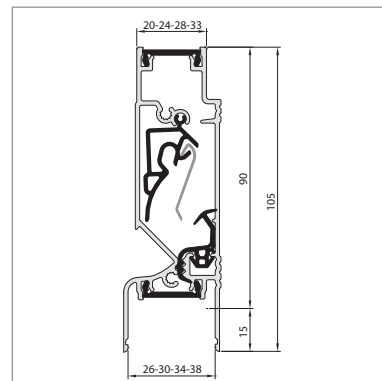
Rod control with transmission



Rod control with sliding knob



Motorcontrol



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