

GLAZED-IN VENTILATORS

THK90: flapvent with external hood for better weather protection
AR90: self-regulating flapvent with external hood for better weather protection

THK90 • AR90

INTRODUCTION

The THK90 is an aluminium flapvent with thermal break, for all types of windows. The flat punched internal profile performs as an insect screen and is easy to clean. The internal flap can be set in 5 stepped positions.

Compared to the TH90 and THM90, the THK90 has an external hood for additional weather protection.

The AR90 is the self-regulating version of the THK90. The self-regulating flap reacts automatically to various wind pressures and can not be directed by the user himself. This self regulating principle prevents draughts and saves on energy costs for the end-user.

MATERIAL

Inside and outside profile: aluminium AlMgSi 0.5 (according to DIN 1748)

Finishing: satin/bronze anodised or powdercoated in any RAL or Syntha Pulvin® colour (dual colour possible)

Endcaps in ASA polymer type Luran S (colourfast, weather- and UV-resistant) (white, black or in Ral colours)

Endcaps are in black or white but also available in other colours upon request.

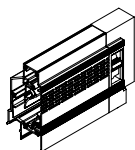
DIMENSIONS

Glass reduction: 90 mm

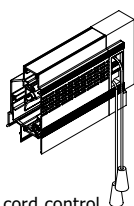
Height: 105 mm

Glass thickness: 20, 24, 28 mm

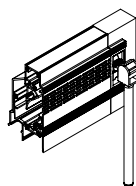
CONTROLS



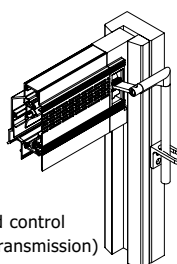
manual control



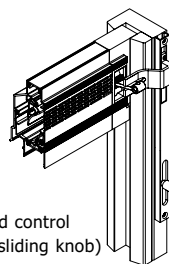
cord control



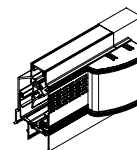
rod control
(hook-up)



rod control
(with transmission)



rod control
(with sliding knob)



motor control

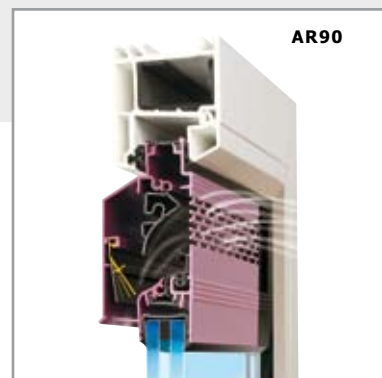
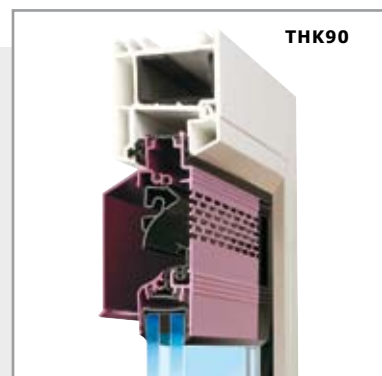
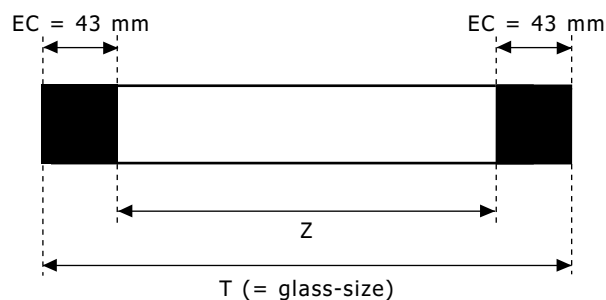
ASSEMBLY

Developed for fabrication from bar lengths (6000 mm) or made to measure (maximum 2500 mm)

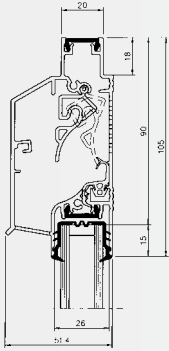
Cut ventilator to size from a bar length, fix endcaps (1 L + 1 R)

We advise use of glazing gasket RENSON nr 039 or nr 034 (20-28 mm) for installation.

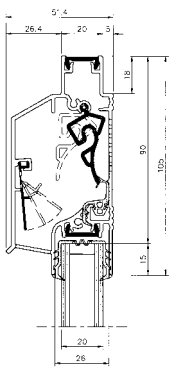
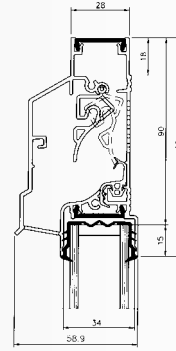
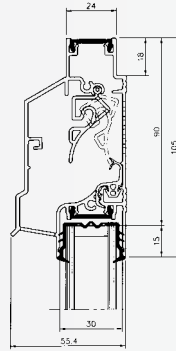
Overall dimension of the ventilator (T) = extrusion length (Z) + (2 x endcaps (EC) 43 mm))



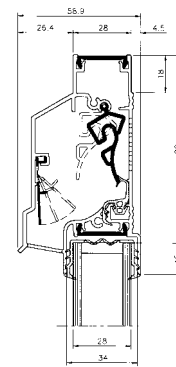
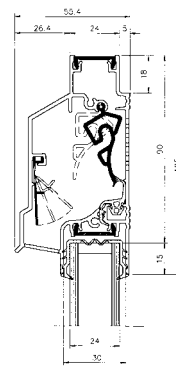
SECTION DETAILS



THK90



AR90



TECHNICAL SPECIFICATIONS

	THK90	AR90
AIRFLOW		
2 Pa	57,9 m ³ /h/m	56,2 m ³ /h/m
2 Pa	16,1 l/s/m	15,6 l/s/m
1 Pa	11,6 l/s/m	11,2 l/s/m
Equivalent area	14736 mm ² /m	14252 mm ² /m
COMFORT		
Sound reduction D _{n,e,w} (C;C _{tr})	(EN ISO 140-10, EN ISO 717-1)	
- in open position	28 (0;-1) dB	30 (-1;-2) dB
- in closed position	44 (0;-1) dB	45 (-1;-3) dB
Self regulating	no	yes (class P3)
TECHNICAL CHARACTERISTICS		
U-value	3,9 W/m ² K	
Watertightness (closed position)	650 Pa	
Windtightness	650 Pa	