

GLAZED-IN VENTILATORS

THR90 • ARH90

THR90: high performance flapvent
ARH90: high performance self-regulating flapvent

INTRODUCTION

The THR90 is a high performance aluminium flapvent with thermal break, for application in aluminium, timber and uPVC windows. The fully removable punched internal profile performs as an insect mesh. The multi-position flap consists of hard uPVC with flexible ends for a better water- and windtightness. In addition the ARH90 has an automatically operating flap in the ventilator that maintains a constant airflow in the living-area, independent of the windforce 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)

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

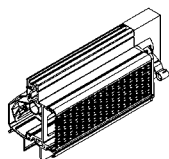
DIMENSIONS

Glass reduction: 90 mm

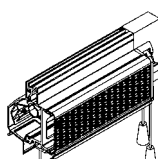
Height: 106 mm

Glass thickness: 16, 20, 24 & 28 mm

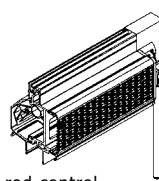
CONTROLS



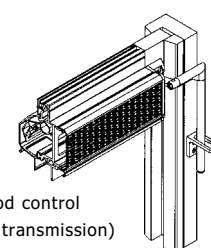
manual control



cord control



rod control
(hook-up)



rod control
(with transmission)

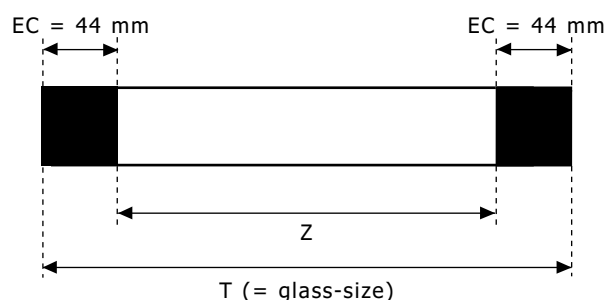
ASSEMBLY

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

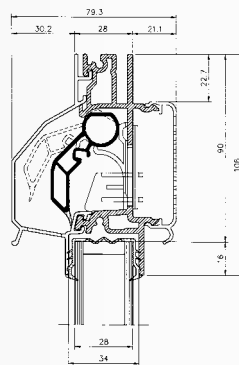
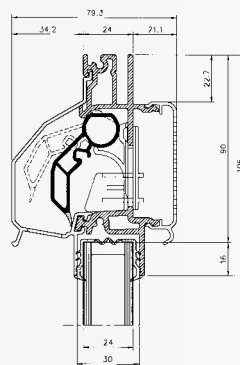
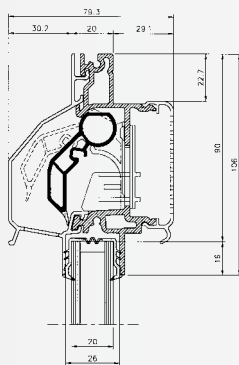
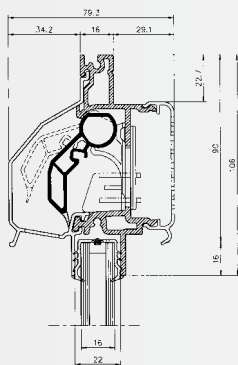
Cut ventilator to size from a bar length, fix endcaps (1 L + 1 R)

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

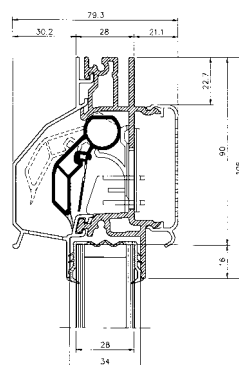
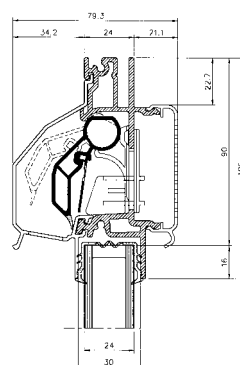
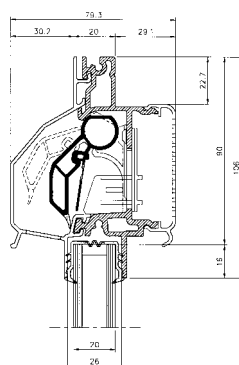
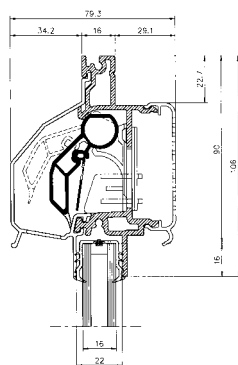
Overall dimension of the ventilator (T) = extrusion length (Z) + (2 x endcaps (EC) 43 mm)



SECTION DETAILS



THR90



ARH90

TECHNICAL SPECIFICATIONS

	THR90	ARH90
AIRFLOW		
2 Pa	73,8 m ³ /h/m	74,2 m ³ /h/m
2 Pa	20,5 l/s/m	20,6 l/s/m
1 Pa	14,5 l/s/m	14,6 l/s/m
Equivalent area	18451 mm ² /m	18579 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 (-1;-1) dB	28 (-1;-2) dB
- in closed position	36 (-1;0) dB	36 (-1;0) dB
Self regulating	no	yes
TECHNICAL CHARACTERISTICS		
U-value	3,6 W/m ² K	
Watertightness (closed position)	650 Pa	
Windtightness	650 Pa	