

GLAZED-IN VENTILATORS

AR75

self-regulating vent allowing 4 different airflows within the same design

INTRODUCTION

Thermally broken self-regulating aluminium vent, suitable on aluminium, timber and uPVC windows. Due to its unique patented inner mechanism, 4 different airflows of 54, 67, 77 & 101 m³/h/m can be reached, while maintaining the full range of control. From aesthetical point of view different AR75 (with different airflows) can be installed in one façade while maintaining the same look.

The self-regulating flap reacts automatically to various wind pressures thus preventing draughts and saves on energy costs for the end-user. The inner flap, which acts as an insect mesh, is easy to take off for maintenance purposes.

MATERIAL

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

Finishing: satin 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.

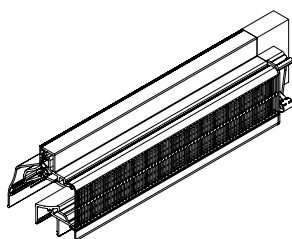
DIMENSIONS

Glass reduction: 75 mm

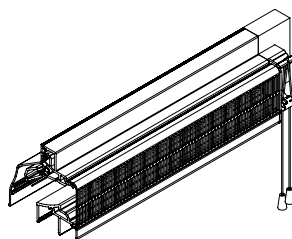
Height: 92 mm

Glass thickness: 20, 24, 28 & 32 mm

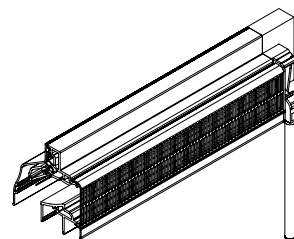
CONTROLS



manual control



cord control



rod control
(hook-up)



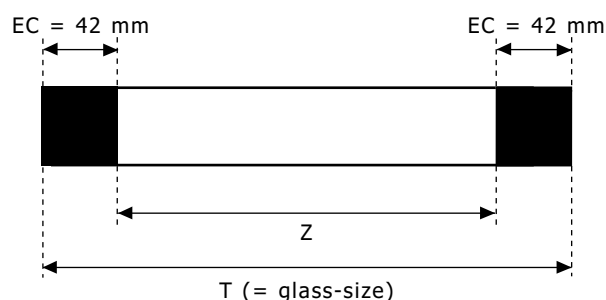
ASSEMBLY

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)

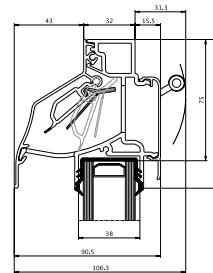
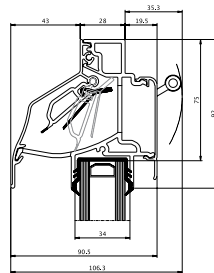
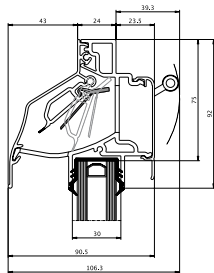
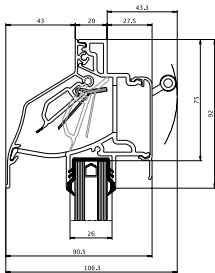
We advise use of glazing gasket RENSON nr 039 or nr 034 (20-28 mm) and nr 029 (28-36 mm) for installation

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





SECTION DETAILS



TECHNICAL SPECIFICATIONS

	AR75 Small	AR75 Medium	AR75 Large	AR 75 Xlarge
AIRFLOW				
2 Pa	53,7 m ³ /h/m	67,1 m ³ /h/m	77,3 m ³ /h/m	100,9 m ³ /h/m
2 Pa	14,9 l/s/m	18,6 l/s/m	21,5 l/s/m	28,0 l/s/m
1 Pa	10,5 l/s/m	13,1 l/s/m	15,2 l/s/m	19,9 l/s/m
Equivalent area	13419 mm ² /m	16682 mm ² /m	19342 mm ² /m	25265 mm ² /m
COMFORT				
Sound reduction D _{n,e,w} (C;C _{tr})	(EN ISO 140-10, EN ISO 717-1)			
- in open position	26 (-1;-1) dB	26 (-1;-2) dB	26 (-1;-2) dB	26 (-1;-1) dB
- in closed position	43 (-1;-2) dB	43 (-1;-2) dB	43 (-1;-2) dB	43 (-1;-2) dB
Self regulating	yes			
TECHNICAL CHARACTERISTICS				
U-value	3,0 W/m ² K			
Watertightness (closed position)	650 Pa			
Windtightness	650 Pa			