

Envirowise EnergySaver Cowl - Energy efficient ventilation grille

Technical Data Sheet

The EnergySaver Grille counteracts the detrimental effects of external wind on the performance of mechanical extract ventilation systems and passive vents. The grille is up to 20% less resistant to airflow making the extractor fan up to 20% more energy efficient than when used with a conventional cowl or grille. It also alleviates 'blow back' thus further increasing extractor fan efficiency and reducing energy consumption - all of which contribute to a reduction in the carbon footprint.

EnergySaver Grille is the only independently tested energy efficient ventilation grille.

When used in conjunction with Envirowise EnergySaver fans the grilles offer one of the most energy efficient ventilation packages available today.

The EnergySaver Grille is Part F Compliant and offered in 100mm (4inch) and 150mm (6inch) sizes.



Special Features

- Patented design
- Virtually eliminates 'blow back' when fan is running
- Increases efficiency of fan by up to 20%
- Reduces running cost of fan
- Especially suited to installations in windy locations and high rise buildings
- Available in white and brown

Benefits

- Energy saving
- Increases fan performance and efficiency
- Reduces carbon footprint
- Easy to install
- No maintenance required

General

- Independently tested
- Part F Compliant
- Available in 100mm (4inch) and 150mm (6inch) sizes
- Can be used with all mechanical and passive ventilation systems
- Suitable for: Window fit Wall fit Passive vents Mechanical extract High Rise

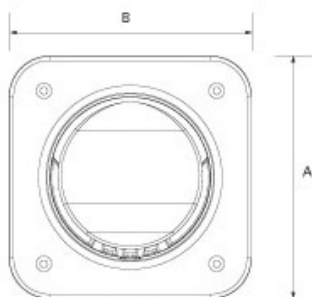
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Extract and passive ventilation systems all require external cowls or grilles to prevent draughts and rain ingress from entering a dwelling. Conventional grilles, even those with fixed louvres, are adversely effected by upward and cross winds that significantly reduce their Effective Area. This has serious adverse implications, particularly in relation to the statutory fresh air requirement for gas vents.

The problem is that the standard test to determine Effective Area is always measured to 'free air' and wind effect can reduce Effective Area by up to 50%. Wind speeds as low as 5m/sec will make it impossible for most domestic mechanical ventilators to achieve 15litres/sec extraction.

Construction

The EnergySaver Grille is produced as a one piece moulding in tough, weather resistant PVCu. It is supplied with a snap-on mounting plate pre-drilled to suit 100mm (4inch) and 150mm (6inch) size ventilation installations.

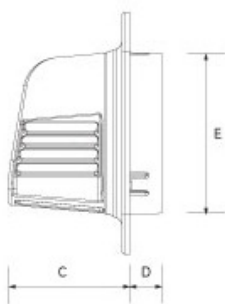


FAN DIMENSIONS 150mm Grille

Casing (mm)	A	B	C	D	E
	180	180	80	30	149
Hole Diameters (mm)	Walls	158			
	Windows	188			
	High-rise	165			

FAN DIMENSIONS 100mm Grille

Casing (mm)	A	B	C	D	E
	120	120	65	30	99
Hole Diameters (mm)	Walls	107			
	Windows	130			
	High-rise	115			



Order Codes

ESG150WALB	150 Wall fit Brown
ESG150WALW	150 Wall fit White
ESG150WIN	150 Window fit only in White
ESG100WALB	100 Wall fit Brown
ESG100WALW	100 Wall fit White
ESG100WIN	100 Window fit only in White
ESG150HRB	150 High Rise Brown
ESG150HRW	150 High Rise White
ESG100HRB	100 High Rise Brown
ESG100HRW	100 High Rise White