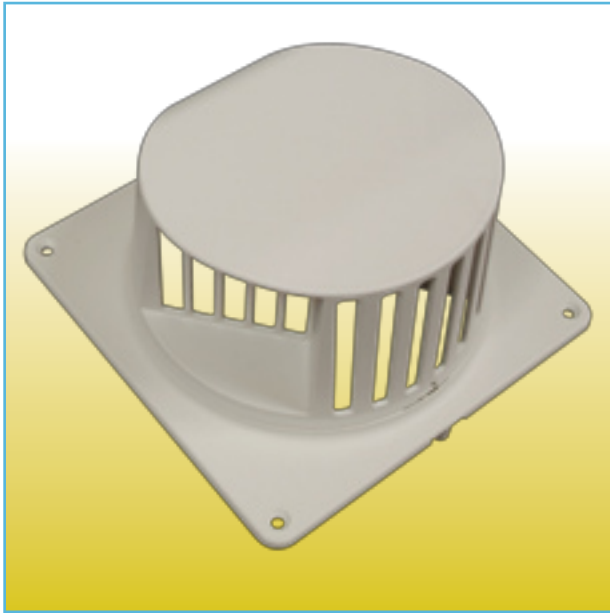


Energysaver™ Cowl

Energy efficient ventilation grille



The Energysaver™ Cowl counteracts the detrimental effects of external wind on the performance of mechanical extract ventilation systems and passive vents. The cowl 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™ Cowl is the only independently tested energy efficient ventilation grille.

When used in conjunction with Airtech Energysaver™ fans the cowls offer one of the most energy efficient ventilation packages available today.

The Energysaver™ Cowl 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

General

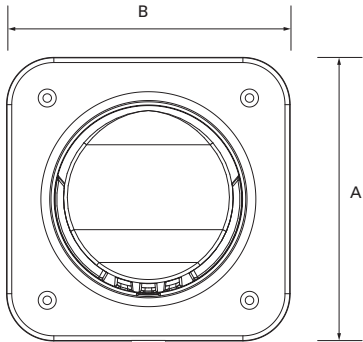
- Independently tested
- Part F Compliant
- Available in 100mm (4inch) and 150mm (6inch) sizes
- Can be used with all mechanical and passive ventilation systems
- Suitable for:
 - Window fit
 - Wall fit
 - Passive vents
 - Mechanical extract
 - High Rise

Benefits

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

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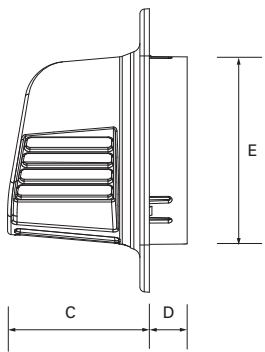


Extract and passive ventilation systems all require external cowls or grilles to prevent draughts and rain ingress from entering a dwelling. Conventional grilles, even those with fixed louvres, are adversely effected by upward and cross winds that significantly reduce their Effective Area. This has serious 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™ Cowl 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.



DIMENSIONAL DATA

COWL DIMENSIONS in mm

SIZE

SIZE

COWL DIMENSIONS in mm	SIZE	SIZE
Casing		
A	180	120
B	180	120
C	80	65
D	30	30
E	149	99
Hole diameter in mm		
Wall	158	107
Window	188	130
High-rise	165	115

ORDER CODES

ESG150WALLB	150 Wall fit Brown
ESG150WALLW	150 Wall fit White
ESG150WIN	150 Window fit only in White
ESG100WALLB	100 Wall fit Brown
ESG100WALLW	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



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