



ACE *Natural Louvred Ventilator*



SILENT, AIRTIGHT AND ENERGY EFFICIENT

ENERGY SAVING NATURAL VENTILATOR

The ACE ventilator is Colt's answer to the Energy Performance of the Buildings Directive. It compares favourably with alternative products both with regards to insulation and air leakage. These characteristics help it to reduce running costs for our customers and also greatly reduce the risk of condensation where this may occur. ACE also provides an excellent level of sound attenuation.

OPTIONS

ACE is available in both insulated and thermally broken versions and up to 2.5m wide x 3.6m long. Polycarbonate and glass versions allow the entry of natural daylight and an insulated aluminium option is also available with louvre thicknesses of up to 25mm. If these are required wind baffles may be provided which can, in addition, themselves be made moveable so that no baffle can be seen when the ventilator is closed.

OPERATION AND CONTROLS

ACE is classed as a dual purpose ventilator providing both day-to-day and smoke control ventilation. Either pneumatic or electric controls open the ventilator.



Architectural Solutions

Climate Control

Smoke Control

Service and Maintenance

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TECHNICAL DATA – dimensions (widths and lengths) and their corresponding Av values (m²)

Length (mm)	Width (mm)				
	500	1000	1500	2000	2500
	Av value (m ²)				
1200	0.60	1.20	1.80	2.40	3.00
1500	0.75	1.50	2.25	3.00	3.75
1800	0.90	1.80	2.70	3.60	4.50
2100	1.05	2.10	3.15	4.20	5.25
2400	1.20	2.40	3.60	4.80	6.00
2700	1.35	2.70	4.05	5.40	6.75
3000	1.50	3.00	4.50	6.00	7.50
3300	1.65	3.30	4.95	6.60	8.25
3600	1.80	3.60	5.40	7.20	9.00



SPECIFICATION

Depending on the version and size selected, the ACE is able to withstand and open against a snow load of up to 4,500N/m² and a wind suction load of up to 12,500 N/m² which has been confirmed by externally witnessed tests in accordance with EN12101-2.

FEATURES & BENEFITS

- Dual purpose ventilator
- Wide range of applications
- Reduced energy transmission with low air leakage and high heat insulation. Air leakage for a medium size unit of 17.1 m³/h.m² at 50 Pa has been achieved on test. The U values are less than 3.5 W/m²/K as required in Approved Document L 2010, with all values ranging between 1.4 – 2.8 W/m²/K.
- High aerodynamic efficiency
- High sound attenuation
- Translucent versions permit the entry of natural daylight
- Delivered fully assembled to site, so is easy to install
- Durable, as it is manufactured from tough corrosion resistant aluminium
- Wide range of controls, louvre types, accessories and finishes
- Low profile and great looks.

