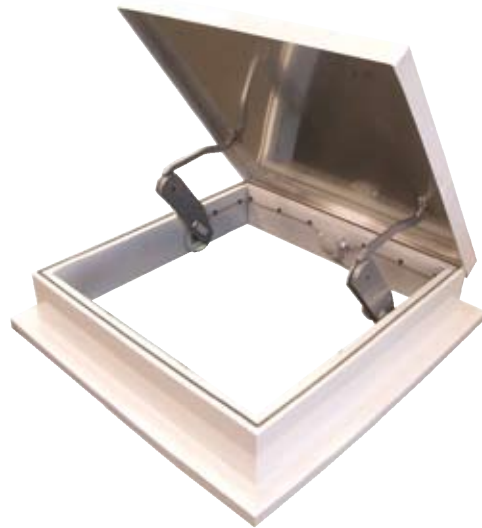


Automatic Opening Vent (AOV)

Designed for smoke clearance of stairwells and lobbies, this low profile ventilator is unobtrusive and offers good insulation and air tightness.



General Specification

The ADV is a versatile and attractive alternative to aluminium louvred smoke ventilators for the discharge of heat and smoke from buildings. The vent opens to 120 degrees to minimise the effects of cross winds ensuring reliable ventilation performance. The construction is practically airtight and completely weatherproof when closed. The clear opening means that the vent can double as a roof access hatch.

Construction

The ADV is constructed from high grade aluminium sheet with an all welded base. The unit has a double skin construction insulated with 50mm mineral wool insulation. The upstand is 150mm high and the total height of the unit when fully closed is just 150mm. The opening lid is sealed to the base with brush pile air seals. The base has a 50mm turndown to prevent rain ingress. Standard finish is mill finish aluminium with polyester powder coating to any RAL colour available.

Performance

The ADV range is designed to provide ventilation performance to meet the requirements of Approved Document B of the Building Regulations with regard to stairwells and lobbies. The AOV1010 can be used for stairwells and at the head of 1.0m² smoke shafts. The ADV1015 is ideal for ventilating lobbies and can be used for 1.5m² shafts

Actuators

Voltage 24 V DC, rated current 1.2 A, running speed with nominal load 6 mm/s, powder coated aluminium housing with integrated current-dependent load cut off, switch on duration 30 %, infinitely variable positioning possible (in single application only), incl. upper and lower bracket and 1.5 m connecting cable. Force: 800 N Width: 135 mm Height: 410 mm. Protection class IP52. Actuators are prewired to junction box for connection of incoming power cable.

Installation

The ADV can be installed onto roofs with a maximum pitch of 5 degrees and is mounted on a roof curb. A prefabricated insulated curb is available as an optional extra. The actuators are factory installed.

Product Data

Unit Code	Free Area m ²	Dimensions mm	Weight kg
AOV1010	1.0	1000 x 1000	55
A)V1015	1.5	1000 x 1500	70



smokecontrol

Automatic Opening Vent (AOV)

Accessories

Local Control Panel

A modular control unit for control of smoke and heat ventilators in a single zone up to a maximum output current of 2.5A. The control unit is extremely versatile and features a very compact enclosure with quick fit cable terminals for connection of smoke detectors, switches and remote signalling.



Product code
W1/1001

Override Switch

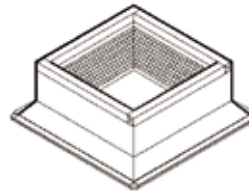
A break glass switch for the manual opening of smoke and heat vent systems. Incorporates LED status indication.



Product code
A3/2103

Roof Curb

Prefabricated galvanised steel insulated roof curb for integration into membrane roofing simplify installation.



Product code
RC1010
RC1015
RC1520