

Automatic Discharge Vent (ADV)

Designed for use at the head of smoke shafts or for passive ventilation of all types of buildings 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 innovative vertically rising lid is designed to reduce the effect of cross winds ensuring efficient exhaust of gases regardless of wind direction. The construction is practically airtight and completely weatherproof when closed and it can be opened partially for daily ventilation.

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 smoke shafts. The ADV1010 can be used for stairwells and at the head of 1.0m² smoke shafts. The ADV1015 is ideal for 1.5m² shafts and the ADV1520 is designed for 3.0m² shafts for fire fighting protection.

Actuators

Voltage 24 V DC, rated current 1 A, running speed with nominal load 9 mm/s, with eye bolt d = 6 mm, gear rack housing: aluminium anodized, power unit housing: plastics, with integrated current-dependent load cut off, IP 55, switch on duration 20 %, infinitely variable positioning possible (in single application only), incl. upper and lower bracket and 1.5 m connecting cable. Force: 800 N Width: 54 mm Height: 120 mm. Protection class IP55. 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 supplied demounted for transit and must be bolted onto the brackets on the base unit.

Product Data

Unit Code	Free Area m ²	Dimensions mm	Weight kg
ADV1010	1.0	1000 x 1000	55
ADV1015	1.5	1000 x 1500	70
ADV1520	3.0	1500 x 2000	120



smokecontrol

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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

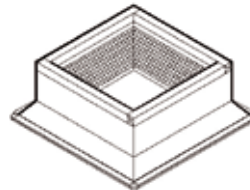
A break glass switch for the manual opening of smoke and heat vent systems. Incorporates LED status indication.



Product code
A3/2103

Roof Curb

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



Product code
RC1010
RC1015
RC1520