

## Pressure relief

### General

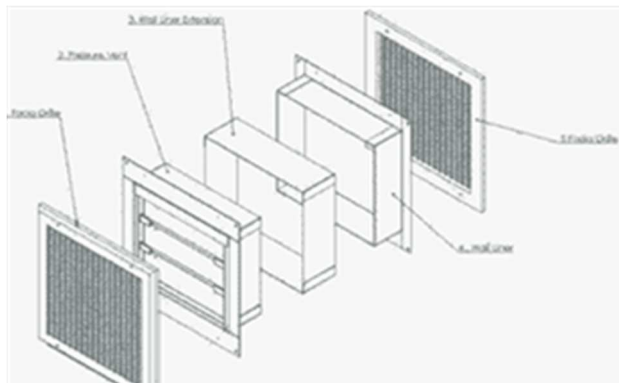
This datasheet covers the following articles

302762	Pressure relief EV300
302765	Pressure relief EV500

For installation in walls to the fire protected enclosure to allow the excess air to exit the room, when INERGEN is released in the area.

The relief incorporates a closing mechanism that provides a seal against the entry of flames and smoke which is rated for +120 minutes fire integrity.

The unit has been tested by Chiltern International (UK).



### Specifications

Outside dimensions:

EVi60 300	420x420mm
EVi60 500	620x620mm

Installation: Vertical only (gravity dependent)

Cut-out (wall < 200mm):

EVi60 300	357 x 320 mm (WxH)
EVi60 500	557 x 520 mm (WxH)

Cut-out (wall > 200mm (with extensions)):

EVi60 300	362 x 323 mm (WxH)
EVi60 500	562 x 523 mm (WxH)

Opening pressure (full): 100Pa

Flow area:

EVi60 300	0.076 m <sup>2</sup> , Co-efficient 1.15
EVi60 500	0.212 m <sup>2</sup> , Co-efficient 1.15

Material: Galvanized steel (1.2mm thick)  
Intumescent coating

### Standards & approvals

EN13501-2: 2007 +A1:2009	air transfer frill in non-loadbearing wall
Integrity:	132 minutes (w grill on each side (2013-01-25))
Insulation:	92 minutes (w grill on each side (2013-01-25))
Fire resistance classification:	E20, E40, E60, E90, E120 EI15, EI20, EI30, EI45, EI60, EI90 EW20, EW60, EW90, EW120

EN1363-1: 2012

Integrity:	132 minutes (w grill on each side (2013-01-25))
Insulation:	92 minutes (w grill on each side (2013-01-25))

#### Document:

30276x Pressure relief EV300-500.docx

#### Category:

Control inert

Id: BH

Rev:2013.11.18

Text



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**Installation**

The recommended installation method is described here:

In all circumstances, follow national building codes for fire safety.

1. The vent is installed in wall and fixed with 4 screws  
Sealant must be applied to all flanges to avoid moisture to enter the construction.
2. If wall is greater than 200mm, wall liner extensions should be used.  
They are to be fixed with 4 screws
3. Install the inner part of the vent.
4. Seal all openings with sealant to avoid moisture from entering the construction
5. Verify that all blades move freely.
6. Install the vent grill on each side of the vent.  
Each grill is kept in place with 4 screws.
7. Sealant should be applied between the grill and the wall.

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