

PV Series Pressure Relief Vents

Models PV150 / PV300 / PV450 / PV600 / PV750 / PV1050

Manufactured by Pressurevent.com. Specifications below apply to the standard powder-coated finish.

APPLICATION

Dual-acting pressure relief vents for gaseous extinguishing systems and pressurised enclosures. Gravity-balanced blades open automatically above the set pressure in both directions, protecting the enclosure from peak pressure damage during agent discharge or staircase pressurisation.

STANDARD FEATURES

- Gravity-balanced, dual-flow operation — opens in both directions
- Default opening pressure varies by model, 60–100 Pa (factory customisation available — see table)
- Fully open at 125 Pa, providing over 75% free vent area at that reference pressure
- Certified to EN1364-1, including fire performance certification
- Default finish: RAL9016 powder coating (custom colours available)
- Suitable for wall or ceiling installation, vertical or horizontal
- 3-year guarantee

PV SERIES OVERVIEW

Model	Internal (mm)	Fire rating
PV150	350 x 150	180 min
PV300	350 x 300	180 min
PV450	450 x 450	120 min
PV600	600 x 600	120 min
PV750	750 x 750	120 min
PV1050	1050 x 1050	120 min

APPLICABLE STANDARDS

- Fire performance: EN1364-1
- Annual FVA test: NFPA 2001 (latest ed.) or ISO 14520 (latest ed.)
- Minimum wall density for installation: >850 kg/m³

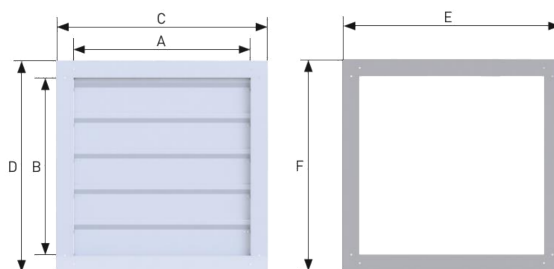


PV600 shown

DIMENSIONAL DATA

Model	A	B	C	D	E	F	Wall opening (WxH mm)	Wall thk. (mm)	Default P (Pa)	FVA @125Pa (sq.m)	Weight (kg)
PV150	350	150	500	300	570	318	430 x 175	110–240	80	0.036	12
PV300	350	300	500	450	570	468	430 x 325	110–240	80	0.073	15
PV450	450	450	600	600	670	618	530 x 475	110–240	60	0.151	22
PV600	600	600	750	750	820	768	680 x 625	110–240	80	0.27	28
PV750	750	750	900	900	970	918	830 x 775	110–240	100	0.42	35
PV1050	1050	1050	1200	1200	1270	1218	1130 x 1075	110–240	80	0.82	55

TECHNICAL DRAWING



Reference points A–F correspond to the Dimensional Data table above.

Supplied in two kits: internal use, or external use with a weather louvre (fixed blade or dynamic).

10 reasons to choose for PV's from PressureVent.com

1 2 and 3 hour fire rated

One of the very few pressure vents with its full range officially fire rated and certified for 2 hours (3 hours for PV150 and PV300).

2 High free vent area

A number of fire tests and venting simulations have been carried out, to verify the free vent areas.

3 75mm flanges on all vents

To improve the installation and stability of the vents, the flange sizes have been designed to 75mm on all vents.

4 Improved construction method

The dual flow vents have a fully improved construction which eliminates flexing and blades sticking if installed incorrectly.

5 Aesthetically pleasing design

The Vents are designed to blend in to the fabric of the enclosure. The unit is powder coated in a white finish, but can be supplied in any colour.

6 3 years guarantee

The pressure vents come with a 3 year guarantee.

7 Custom sized vents

Vents and louvres can be supplied in any specific size, or colour, as well as in different materials such as stainless steel.

8 Balanced weight vent

Optimized weight distribution in the vent ensures a constant large free flowing vent area.

9 High closed seal integrity

The low leakage rates of the vents can be reduced even further by adding the specially designed and well-sealed weather louvres.

10 EU Quality

All products are designed in house in the Netherlands, and are manufactured as per our specific specs to control a high level of quality.

