



**The High Performance Blast Pressure Vents range of
Balanced Weight Blast Pressure Relief Vents.**

FOR ARCH AND GAS BLAST APPLICATION

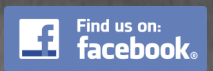
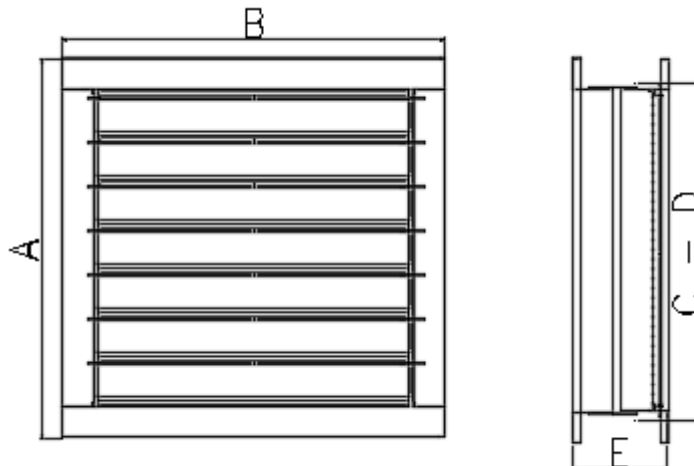
FEATURES:

- 4 Hour Fire Rated
- 90% Free Vent Area
- Steel Welded Construction
- Life Time Guaranty
- Third Party Tested
- Certified Compliance
- Simple to Install
- Conforms to FIA guidance
- Fast Delivery on standard sizes
- Made in the UK



We are proud to launch the next generation in blast pressure vents that uses one vent design to provides single flow venting for arch and gas based risk over pressure. As a development of our popular fire suppression pressure vents the PVB range is tested for blasts up to 2 bar over a time frame of 10 to 20 milliseconds.

Vent Size	PVB150	PVB300	PVB500	PVB700	PVB1000
A	280	420	700	930	1230
B	430	430	630	920	1220
C	320	310	520	710	1010
D	170	320	590	730	1020
E	(1mm to 375mm Wall thickness)				
Unit Weight	8kg	12kg	20kg	35kg	55kg
FVA @ M ² 100Pa	0.045	0.083	0.27	0.45	0.9
WALL CUTOUT SIZE	345Wx210H	345Wx365H	545Wx635H	745Wx745H	1050Wx1045H
Unit Finish I	-	RAL9016 White.			
Fire Rating	-	4 Hours to BS EN1364			



THE PVB PRESSURE VENTS

The PVB Range of Blast Pressure Relief Vents was a result of work carried out in the power generation market on Transformer and switchgear risks. When an arch occurs in an 11 to 33KVA switch cabinet the resulting blast creates high pressures within the risk. These pressures are fast acting and can cause the building structure to blow out or become structurally damaged.

To prevent this we developed with G2 Design, a calculation system to predict the blast loading on wall and the size of blast pressure vent required to keep the blast pressure within the limitations of the structural strength of the building.

We also carried out a number of ad-hoc tests to determine the type of vents required. This all lead to our blast vent range PVB development program.

The range comes with a 4 hour fire rating to EN1364-1 & 2, Third Party Verification of its operation IN LIVE BLAST TESTS .

TECHNICAL SUPPORT

We offer full technical design support and can calculate your free vent areas and Blast pressure requirements

VENT CALCULATOR

We can offer you our design services based on the work carried out by ourselves and G2 Design.

TURNKEY SOLUTIONS

We also offer full design services and can offer the full supply and installation service for all our products.

CONTACT DETAILS

T: 0044 (0) 1743

757431

E:

SALES@AIRPRESSURES

OLUTIONS.CO.UK

Features & Benefits

- **4 hour Fire Rated**

There is only one other manufacture with Its' full range fire rated for 4 hours. (See comparison chart)

- **90% free vent area**

We have carried out a number of live gas discharges and venting simulations which have been witnessed by an independent consultant to verify our free vent areas.

- **100mm flanges on PVB700 & 1000**

We have increased the flange size over our competitors with 60mm on the PVB150, 300 & 500 vents and 100mm on the PVB700 & 1000 to improve the installation and stability of our vents

- **Solid welded construction.**

The PV Band PVB vents have a solid welded construction which eliminates flexing and blades sticking if installed incorrectly even if our vent is dropped it will work

- **Aesthetically Pleasing design**

Our vents are designed to blend in to the fabric of a risk. We don't have rivets or fixings visible and the unit is powder coated in a white finish (or clients choice of colour) To blend in.

- **Manufactured in Britain**

All our design and manufacturing is carried out in the UK. Nothing is sourced from China or any other country.

- **Multi Flow vent in one vent.**

By simply removing a securing screw the MPOV vent turns from a one-way vent into a two way pressure vent. Less stock for our distributors and a simple vent to fit all applications.



Delivery

Our PVB range of vents are available within 24 to 48 hours of an order being placed. We hold large stock levels and can supply large orders within 2 to 4 working days.

Special Bespoke Sizes and Security Grilles

We offer a total solutions package for our clients and will manufacture special vent solutions and High Security Grilles within 4 to 6 weeks of approval of design.

Special Vent Colours

We can supply our pressure vents in any colour you require. Please contact us for prices.

LinkedIn

Find us on:
facebook