



# Flow<sup>2</sup> Pressure Vents

The High Performance **Flow<sup>2</sup>** PRD range of Balanced Weight Pressure Relief Vents.

FOR ALL FIRE SUPPRESSION GASEOUS AGENTS

**FEATURES:**

- 4 Hour Fire Rated
- 90% Free Vent Area
- Two Way Venting
- 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

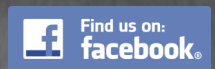
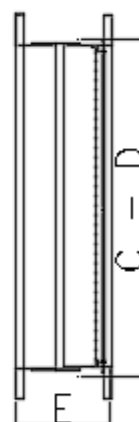
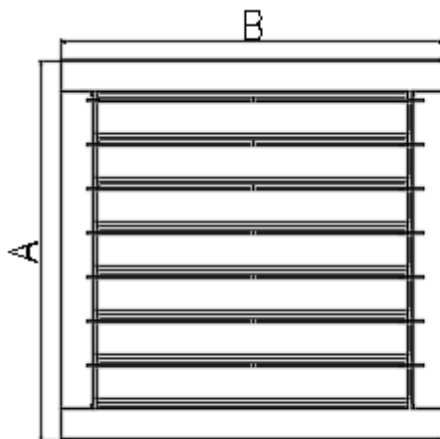


The All New **Flow<sup>2</sup>** Pressure Relief Vent



We are proud to launch the next generation in Pressure Vents that uses one vent design to provides single flow venting for Inert Gas Fire Suppression system and with the removal of one locking screw, it becomes a two way multi Flow pressure vent for Clean Agent fire suppression systems with Negative and positive pressures

Vent Size	MPV150	MPV300	MPV500	PV700	PV1000
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 <sup>2</sup> 100Pa	0.045/0.045	0.083/0.083	0.27/0.27	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 Flow<sup>2</sup> PRESSURE VENTS

#### TECHNICAL SUPPORT

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

#### VENT CALCULATOR

We can offer you an excel spreadsheet based on the FIA and ISO standard calculation formulas for you to calculate your FVA for all the main Inert and Chemical agent Gases.

#### 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



The new Flow<sup>2</sup> MPV Range of Pressure Relief Vents is a new development in the world of pressure relief vent for gaseous extinguishing system that provides a greater efficiency factor of free vent area at all pressures than its competitors. The pressure vent blades start to open at above 60 Pascal's and is fully open at 80 Pascal's pressure and can be calibrated using a Room Integrity Test Kit. The special design provides 90% free vent area for positive and up to the MPV500 90% free vent area for negative pressure. The negative pressure venting is only used when venting Chemical Clean Agent s such as Novec and FM200 and is available by the simpler removal of a securing screw within the vent unit. This means that you need only one vent that can provide all the venting requirements for any type of fire suppression agent.

The range comes with a 4 hour fire rating to EN1364-1 & 2, Third Party Verification of its operation IN LIVE GAS DISCHARGE TESTS by an independent consult. Reports available on request

#### 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 PV700 & 1000**

We have increased the flange size over our competitors with 60mm on the MPV150, 300 & 500 vents and 100mm on the PV700 & 1000 to improve the installation and stability of our vents



- **Solid welded construction.**

The MPV and MPVB 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 PV 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

We offer a total solutions package for our clients and will manufacture special vent solutions 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.