

Over Pressure Vents by Concept Inert & Chemical Gas Fire Suppression Systems

Internal Over Pressure Vent



Dynamic Louvre



L Fixed Blade Louvre



The new **Flow2** 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. 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 Agents such as Novec 1230 and FM200 and is changed 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.

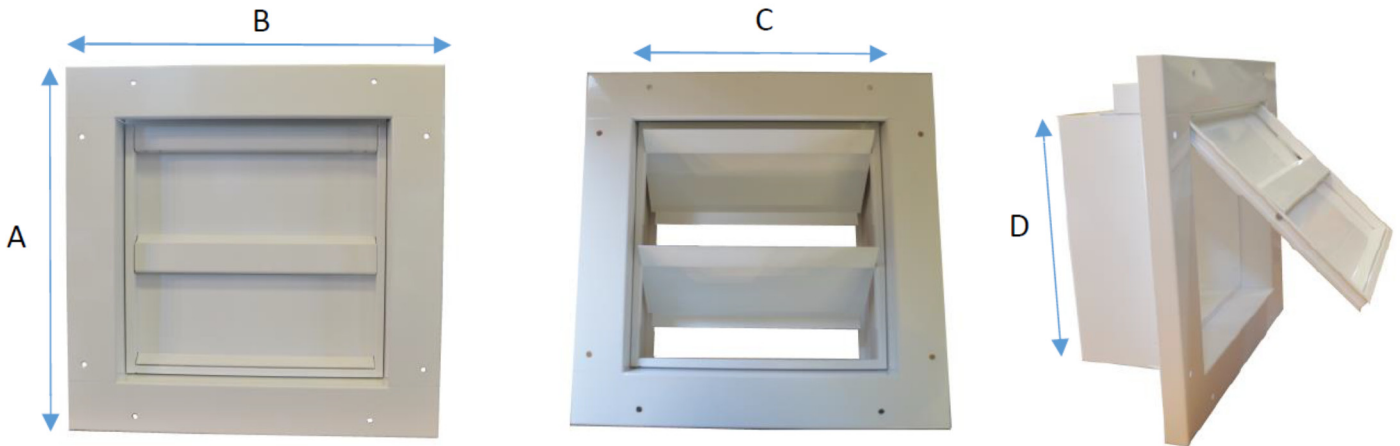
The range comes with a 4 hour fire rating to EN1364-1 & 2, Third Party Verification of its operation IN LIVE GAS DISCHARGE TESTS by an independent consult. Reports available on request

Make **Concept** Fire Suppression Ltd and **Flow2** part of your fire protection plan.

Concept with Over Pressure Vents Inert & Chemical Gas Fire Suppression Systems



CONCEPT
FIRE SUPPRESSION LTD



Vent Size	150	300	500	700	1000
A (mm)	280	420	700	930	1230
B (mm)	430	430	630	920	1220
C (mm)	320	310	520	710	1010
D (mm)	170	320	590	730	1020
Weight	8Kg	12Kg	20Kg	35Kg	55Kg
FVA (m ²)	0.045	0.083	0.27	0.45	0.9
Hole Cut Out Size	345Wx210H	345Wx365H	545Wx635H	745Wx745H	1050Wx1045H

Features & Benefits

1. 4 hour Fire Rated

There is only one other manufacture with its' full range fire rated for 4 hours to BS EN1364.

2. 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.

3. 100mm flanges on PV700 & 1000

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

4. 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 still work afterwards.

5. 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.

6. Manufactured in Britain

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

7. 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, a simple vent to fit all applications.

Flow2 is patented and the registered trademark of Air Pressure Solutions Ltd

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