

DUAL FLOW PRESSURE VENTS (MPV)



MPV Vents

Description

The MPV dual flow pressure vents are all in one vents for all fire suppression gases. Each vent is designed to provide the pressure relief venting that may be required when gaseous fire suppression systems are discharged into an enclosure resulting in a change of pressure (negative and/or positive) therein.

As supplied, each vent provides single flow (positive pressure) venting for Prolnert Agents. By removing a single locking screw, it becomes a two way multi flow (positive and negative pressure) vent for chemical clean agents such as FM200 and ECARO25.

The vents can be mounted vertically in the enclosure walls or horizontally to allow the fitting of the pressure vent into ceiling voids for positive pressure venting. When dual flow (positive and negative pressure) venting is required, the vents can only be mounted vertically in the enclosure walls. Vents shall be used for internal venting only unless a weather louver is installed.

Specifications

Opening Pressure	>60 Pa (0.009 psi) fully open at 80 Pa (0.012 psi)
Free Vent Area	90% free vent area for positive pressure and 90% free vent area for negative pressure for vents up to MPV500
Fire Rating	4-hour rated to BS EN1364-1 & EN1364-2
Mounting	2-3/8" (60mm) flange
Construction	Solid welded frame
Finish	Powder coated white finish (RAL9016). Special colors available on request.
Items Included	<ul style="list-style-type: none"> • Vent • Center wall sleeve • Outer wall sleeve • Caution label (qty. 2) • Mounting hardware (qty. 1 bag) • Installation instructions

Accessories

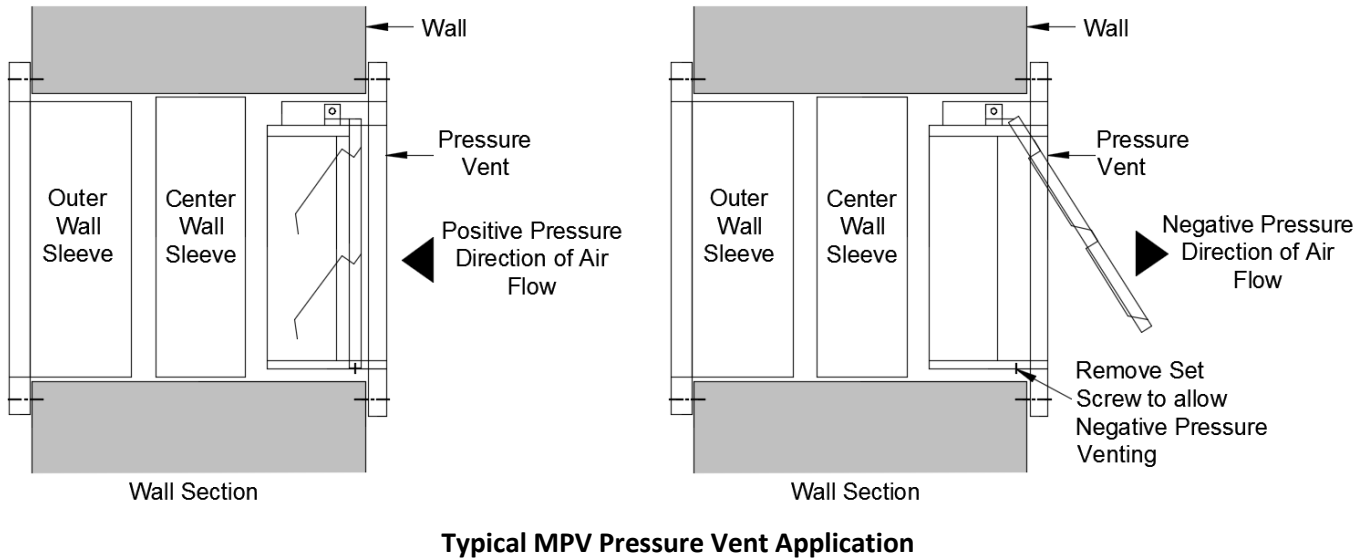
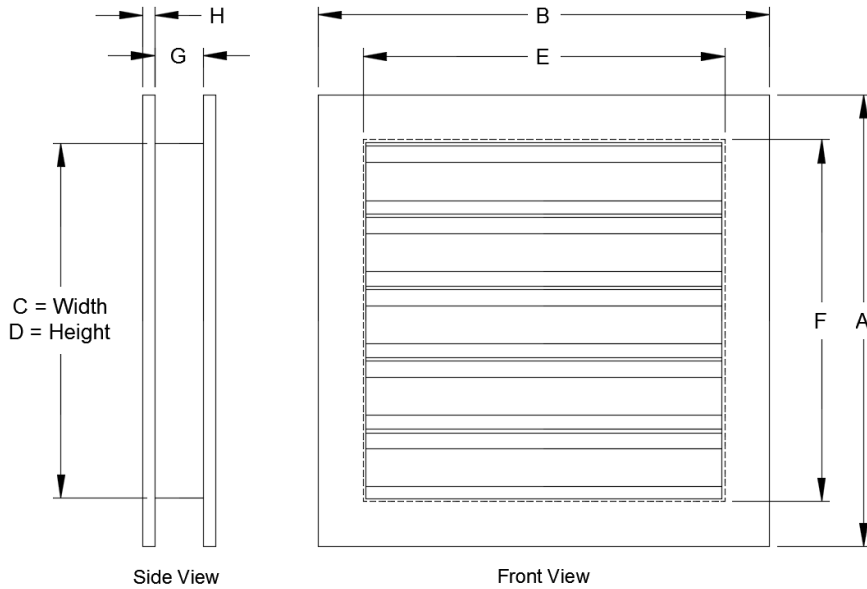
- Weather Louver, See Data Sheet C.1.72.01
- Egg Crate Grill, See Data Sheet C.1.73.01
- High Security Grill, See Data Sheet C.1.88.01
- Surface Mount Frame, See Data Sheet C.1.89.01

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Dimensional and Ordering Information

Vent Size	Fike Part No.	Dimensions (inches/mm)								Unit Weight lbs. (kg)	*FVA @ 0.015 psi (100 Pa)
		A	B	C	D	E (W)	F (H)	G	H		
MPV150	02-14717-150	11 (280)	16.93 (430)	12.60 (320)	6.69 (170)	13.58 (345)	8.27 (210)	4 to 14.75 (100 to 375)	0.98 (25)	17.6 (8)	0.484 ft ² (0.045 M ²)
MPV300	02-14717-300	16.54 (420)	16.93 (430)	12.20 (310)	12.60 (320)	13.58 (345)	14.37 (365)	4 to 14.75 (100 to 375)	0.98 (25)	26.5 (12)	0.89 ft ² (0.083 M ²)
MPV500	02-14717-500	27.56 (700)	24.80 (630)	20.47 (520)	23.23 (590)	21.46 (545)	25.00 (635)	4 to 14.75 (100 to 375)	0.98 (25)	44.0 (20)	2.91 ft ² (0.27 M ²)

*FVA for positive and negative pressure venting for Chemical Agent suppression systems.



Typical MPV Pressure Vent Application

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