

PV PRESSURE VENTS

DESCRIPTION

When Inert Gas and Carbon Dioxide fire suppression systems are discharged, the agent entering the enclosure results in a positive pressure and displaces the air from the room. Suitable means of pressure relief/venting should be used in order to avoid structural damage to the building and equipment.

PV Pressure Vents have been developed to provide this pressure relief venting. The pressure vent blades start to open at above 55 to 60 Pa and are fully open at 100 Pa. The special design provides 90% free vent area from 100 Pa room pressure. This means that fewer vents are required, reducing the number of holes that must be cut in enclosure walls, which minimizes installation costs.



FEATURES AND BENEFITS

4-Hour Fire Rated

PV Pressure Vents have a 4-hour fire rating to BS476 and are certified to EW120, E120, EN1364-1 & 2 and has been verified by an independent third party in actual discharge tests.

90% Free Vent Area

The 90% free vent area has been verified by an independent third party in actual discharge tests.

Large Flange Sizes

PV Pressure Vents have large flange sizes:

- 2 3/8" (60mm) on the PV 150, 300 & 500 vents
- 3 7/8" (100mm) on the PV 700 & 1000 Vents

This helps improve the installation and stability of our vents.

Welded Construction

All our vents have a solid welded construction which eliminates flexing and blade sticking.

Aesthetically Pleasing Design

PV Pressure Vents have no rivets and are powder coated with a white finish.

Manufactured in Britain

PV Pressure Vents are designed and manufactured in the UK.



DIMENSIONAL INFORMATION

Vent Size	PV150	PV300	PV500	PV700	PV1000
Fike Part Number	02-14715-150	02-14715-300	02-14715-500	02-14715-700	02-14715-1000
"A"	11" (280mm)	16 1/2" (420mm)	27 1/2" (700mm)	33" (840mm)	44 3/4" (1135mm)
"B"	17" (430mm)	17" (430mm)	24 3/4" (630mm)	33 1/2" (850mm)	45" (1140mm)
"C" Height Wall Opening	7 1/2" (190mm)	13 1/2" (345mm)	24 1/4" (615mm)	29 1/4" (745mm)	41 1/4" (1045mm)
"D" Width Wall Opening	13 1/2" (345mm)	13 1/2" (345mm)	21 1/2" (545mm)	29 1/4" (745mm)	41 1/2" (1050mm)
Unit Weight	17.6 lbs. (8kg)	26.5 lbs. (12kg)	44.0 lbs. (20 kg)	66.1 lbs. (30kg)	99.2 lbs. (45kg)
FVA @ 100Pa	69.8 in ² (450cm ²)	131.8 in ² (850cm ²)	418.5 in ² (2700cm ²)	713 in ² (4600cm ²)	1426 in ² (9200cm ²)
Unit Finish	White (RAL9016)				
Fire Rating	4 Hours to BS476-20 and certified to E120 / EW120 to EN13501				
Items included with Pressure Vent					
1	Center Wall Sleeve (not shown)				
2	Caution Label (Qty. 2)				
3	Mounting Hardware (Qty. 1 Bag)				
4	Installation Instructions				

