

PVD PRESSURE VENTS

DESCRIPTION

When clean agent fire suppression systems are discharged, the agent entering the enclosure creates a negative pressure, and then turns positive after system discharge, which displaces the air from the room. Suitable means of pressure relief/venting shall always be used in order to avoid structural damage to the building and equipment.

The PVD Pressure Vents have been designed to provide two way pressure relief venting. The pressure vent blades start to open at above 70 Pa in either direction (negative or positive) and 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 & BENEFITS

4-Hour Fire Rated

PVD Pressure Vents have a 4-hour fire rating to BS476 and are certified to EW120, E120 EN1364-1 & 2 and have 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

PVD Pressure Vents have large flange sizes:

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

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

Manufactured in Britain

PVD Pressure Vents are designed and manufactured in the UK.



SPECIFICATIONS

Vent Size (mm)	PVD 150	PVD 300	PVD 500	PVD 700	PVD 1000
Fike Part Number	02-14717-150	02-14717-300	02-14717-500	02-14717-700	02-14717-1000
"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" (340mm)	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				

