

### Designed specifically for Inert Gas Fire Suppression Systems

#### Client Benefits:

- 4 hour resistance to BS EN 1363-1 & BS EN 1363-2
- Leading Free Vent Area performance
- Industry leading quality control
- Excellent Customer Service
- Lifetime Warranty\*
- Low maintenance
- Wall & Ceiling Installation
- Matrix (Modular) assemblies available

#### Optional Equipment:

- Internal & External Grille Kits
- External Security Grille
- C-frame option for thin wall installations

The FSV range of Pressure Relief Vents is designed specifically for over-pressure venting associated with High Pressure Fire Suppression Systems.

The units are offered in a number of standard sizes for installation in both internal and external walls. Providing a Market-Leading Free Vent Area (FVA).

Apreco is renowned for its high level of customer service, and is an ISO 9001:2008 certified company—highlighting its commitment to providing continued high levels of product quality and product innovation.

Attention to detail is the hallmark of the product; being designed to allow controlled thermal expansion in the event of a fire. The design, in conjunction with the manufacturing process, enables bespoke sizes to be made to the same accuracy as stock size, again benefiting our customers with a trusted product.



The pressure relief vent has been successfully tested at the acclaimed Building Research Establishment (BRE); meeting the performance test criteria for a 4 hour fire resistance test to BS EN1363-1 and BS EN1363-2.

Standard sizes are available for both internal and external wall installations. The units can be purchased as standalone units or in kit form. The external weather louvres also offer a superior Free Vent Area when used in an external wall installation.

The standard unit fits into a wall thickness of 105 to 180mm; deeper walls can be accommodated with the use of our easy-fit wall liner extension sleeves. The FSV can be installed within enclosure walls and doors, or on the outside of enclosure walls and doors by utilising our C-Frame Kit.

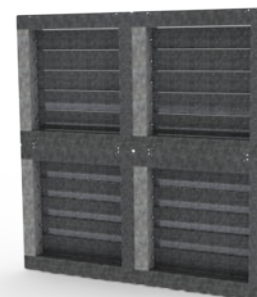
We keep stock of four standard sizes to support our customers. Details of these models are given on the next page.

For further information on how Apreco can help you, please contact our Sales Department.

### Free Vent Area (m2):

INTERNAL WALLS	FSV-0303 (F.V.A.)	FSV-0505 (F.V.A.)	FSV-0707 (F.V.A.)	FSV-1010 (F.V.A.)
100 Pa	0.077 m2	0.213 m2	0.417 m2	0.850 m2
250 Pa	0.077 m2	0.213 m2	0.417 m2	0.850 m2
500 Pa	0.077 m2	0.213 m2	0.417 m2	0.850 m2

EXTERNAL WALLS	FSV-0303 (F.V.A.)	FSV-0505 (F.V.A.)	FSV-0707 (F.V.A.)	FSV-1010 (F.V.A.)
100 Pa	0.059 m2	0.163 m2	0.319 m2	0.650 m2
250 Pa	0.059 m2	0.163 m2	0.319 m2	0.650 m2
500 Pa	0.059 m2	0.163 m2	0.319 m2	0.650 m2



Matrix systems available.

### Dimensional Data (Standard Range):

Model No.	Nominal Size* (W x H mm)	Over Flange Size* (W x H mm)	Aperture Size (W x H mm)	Wall Thickness** (mm)	Weight*** (Kg)
FSV- 0303	300 x 300	440 x 452	360 x 370	105-180	10.2
FSV- 0505	500 X 500	640 X 652	560 X 570	105-180	19.2
FSV- 0707	700 x 700	840 x 852	760 x 770	105-180	29.2
FSV- 1010	1000 x 1000	1140 x 1152	1060 x 1070	105-180	48.2

\*Cover Grille Over-Flange dimensions are 10 mm greater than the stated unit Over-Flange size.

\*\* For greater wall thickness further Extension Sleeve(s) can be added.

\*\*\* Weights relate to Vent and Wall Liner combined.

### Example :

FSV-0303	B	M	X
<b>Model</b>	<b>Kit Level</b>	<b>Finish</b>	<b>Option</b>

#### Kit Levels :

- A = Vent Only
- B = Vent & Wall Liner
- C = Vent & Wall Liner + 2 Cover Grilles (Internal Kit)
- D = Vent & Wall Liner + 1 Cover Grille + 1 Weather Louvre (External Kit)

#### Finish :

- M = Mill finish: Galvanised (Standard)
- P = Painted: White RAL 9010

#### Options :

- W = C-Frame (for wall thickness of less than 100 mm)
- X = Extension Sleeve (Wall liner to cover 181 - 255 mm)
- Y = 2 x Extension Sleeve (Wall Liner to cover 256 - 330 mm)

\* Note: Standard unit covers a wall thickness of 105-180 mm, Wall Liner Extensions are 75 mm each.

### Standard Finishes:

Vent and Wall Liner - Galvanised (Optional painted finish)

Wall Liner extension sections - Galvanised

C-Frame and Internal Cover Grilles - White RAL 9010

External Weather Louvre - White RAL 9010 (Other RAL colours available by request)

*Note: Specifiers must satisfy themselves that the materials used in the construction of this equipment are compatible with the environment in which they will be placed and do not pose a hazard, or risk of injury. Where there is any doubt please refer to our technical department. Apreco operates a policy of continual product development. The information contained within this data sheet may therefore be subject to change without notice.*

*\* Lifetime Warranty is for a period of 10 years and is a Return To Base (RTB) warranty for manufacturing defects of the vent only. The warranty does not cover the repair or exchange resulting from misuse, accident, modification, unsuitable physical or operating environment, or failure caused by a product for which Apreco is not responsible. The warranty is voided by modification of product, or removal of identification labels.*