



*Incorporating*



## Fire dampers

### **Series IFBM** Intumescent fire dampers

- Up to 120 minute integrity
- Suitable for vertical installations in plasterboard walls, ducting and timber fire doors
- Approximately 60% free area
- Low maintenance
- Replace the previous IFB60 intumescent fire damper



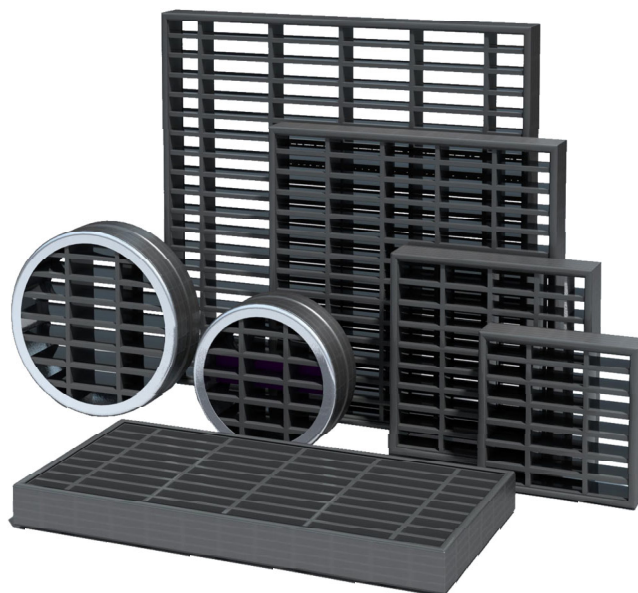
## Series IFBM

Series IFBM Intumescent fire dampers are suitable for installation in fire doors, plasterboard walls and ductwork (vertical installations only), with fire ratings up to 120 minutes (see overleaf for full details).

As passive devices, during normal operation IFBMs have a free area of approximately 60%. Upon exposure to elevated temperatures, they expand quickly to fill the aperture into which they have been installed, creating a single, incombustible mass. This prevents the spread of fire and hot smoke through the aperture.

With no moving parts and a smooth plastic outer skin, IFBM's require no maintenance beyond a periodic wipe down with a damp cloth.

Available in square/rectangular and circular sizes.



## Design features

<b>Material</b>	Intumescent core Black plastic outer skin
<b>Sizes</b>	See overleaf
<b>Depth</b>	38mm
<b>Free area</b>	Approx 60%

## Quality assurance

HVC Supplies (Stourbridge) Ltd is an ISO 9001 certified company.



Assessed to ISO 9001  
Cert/Ref No. 1186

## Certification and sizes

The fire rating of Series IFBM intumescent fire dampers is dependent on its size and installation location.

Sample units have been tested to the below standards:

- BS 476-20:1987  
Flexible (plasterboard) walls and ducting, offering up to 120 minutes of fire protection.
- BS EN 1634-1:2014  
Timber doors, offering up to 60 minutes of fire protection.

Please pay special attention to the tables below detailing the fire rating in minutes of each size when installed in flexible walls or ducting.

When installed into a timber door the maximum fire rating is 60 minutes.

**Square/rectangular nominal sizes**

		W							
		75	↔	500	550	600	650	700	750
H	75	120		120	120	120	120	120	120
	↓			120	120	120	120	120	120
	500	120	120	120	120	120	120	120	60
	550	120	120	120	120	120	120	60	60
	600	120	120	120	120	120	60	60	60
	650	120	120	120	120	60	N/A	N/A	N/A
	700	120	120	120	60	60	N/A	N/A	N/A
	750	120	120	60	60	60	N/A	N/A	N/A

**Circular nominal sizes**

		Diameter					
		100	125	150	200	250	300
		120	120	120	120	120	120
→		350	400	450	500	600	
		120	120	120	120	120	

Both square/rectangular and circular units are available in 1mm increments from the smallest size shown to the largest.

## Installation

Series IFBM intumescent fire dampers should be installed in the same manner in which they were tested to ensure correct operation in the event of a fire.

Installation instructions are available via:

[www.h-v-c.com/installations](http://www.h-v-c.com/installations)

## Cover grilles

Intumescent fire dampers are frequently used in fire doors.

In these situations a cover grille is desirable on both sides of the door to hide the damper and the cut out itself.

HVC manufacture the NV4 surface mounted non-vision grille specifically for use in these installations.



## Finish

Black plastic (standard)



## Ordering codes

### Example

1 - 500 x 500 - IFBM

### Codes

- |    |                  |                  |   |
|----|------------------|------------------|---|
| 1) | <b>Quantity</b>  |                  |   |
| 2) | <b>Size (mm)</b> | (Width x height) | Nominal size                            |
| 3) | <b>Series</b>    | IFBM             | 60 minute rated intumescent fire damper |

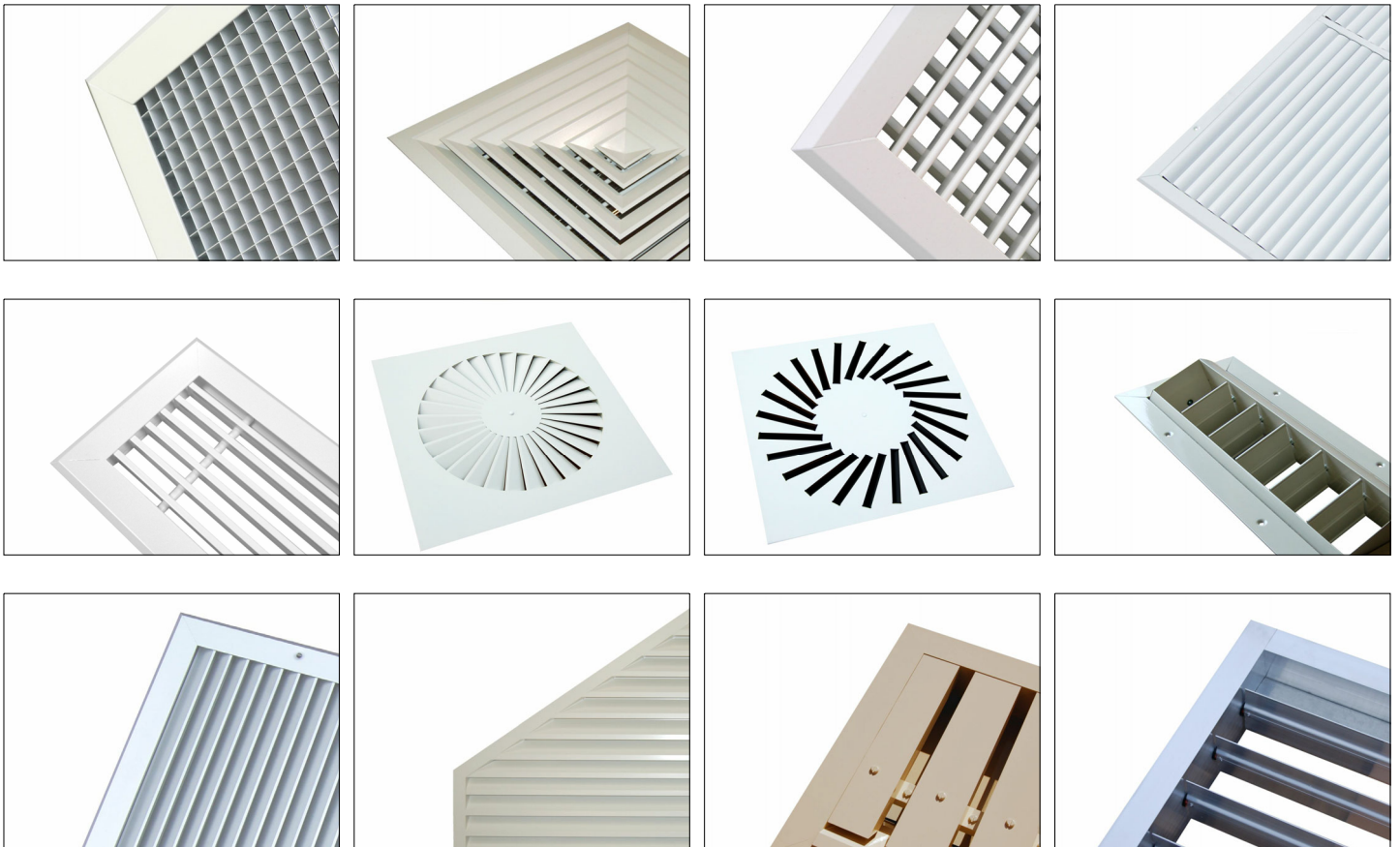
Sizes are taken to be nominal, and will have a tolerance of 2mm removed to aid fitting.

## HVC & NCA products

HVC offer the significant advantage of manufacturing both in duct and duct terminal equipment, making us a one stop shop for all your HVAC needs.

The products shown below are a selection, not an exhaustive list. Go to [www.h-v-c.com](http://www.h-v-c.com) for details on all HVC and NCA products.

### HVC: Grilles, Diffusers, Louvres and Volume Control Dampers



### NCA: Fire and Volume Control Dampers





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Cert/Ref No. 1186

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