

# Installation guide

## Series 100 fire damper c/w HEVAC frame



### Upon receipt of unit - Before signing for the delivery

- Flourescent yellow stickers are attached to every package we despatch detailing receipt instructions and what to do if your goods are damaged.
- The instructions on this must be followed or HVC will not be able to assist with any claims for damage.

### Prior to installation

- If damper is to be stored on site, ensure it is stored in a clean and dry environment.
- Immediately prior to fitment, remove all packaging from the unit. Take particular care inspecting the inside of the unit for any packing materials which may disrupt damper operation.

### Installation

- Fire damper installation should only be carried out by competent persons. As life safety devices, correct operation is reliant on correct installation.
- Damper edges can be sharp. PPE should be used when handling.
- Larger dampers can be very heavy, ensure suitable lifting methods are used to help prevent injury.
- There should be a minimum of 200mm of supporting construction between fire dampers installed in separate ducts.

- There should be a minimum of 75mm of supporting construction between the fire damper and any adjacent construction element, e.g. a corner or adjacent wall.
- Remove the safety cable tie around the fusible link. Failure to remove this will render the damper inoperable.

### Operation

- Fusible link fire dampers are designed to operate without any command from an operator or building maintenance system (unless equipped with an electromagnet or solenoid).
- Fusible links will release at the temperature embossed onto the link body.
- The use of electromagnets and solenoids enables the damper to be operated remotely, even when the damper itself is not being exposed to elevated temperatures.
- The activation command may originate from an automated command or a human operator through the building maintenance system.
- Once the damper has been shut, it can only be opened by hand.
- Once exposed to elevated temperatures/flames resulting in the damper closing, the damper must be replaced.

### Spares

- A spare amount of replacement fusible links should be kept on site.

### Installation FD-1V

Masonry wall installation

**BS EN 13501-3:2005 + A1:2009**

**Classification report numbers:**

Galvanised units - 301099A / 2

Stainless units - 301099A / 3

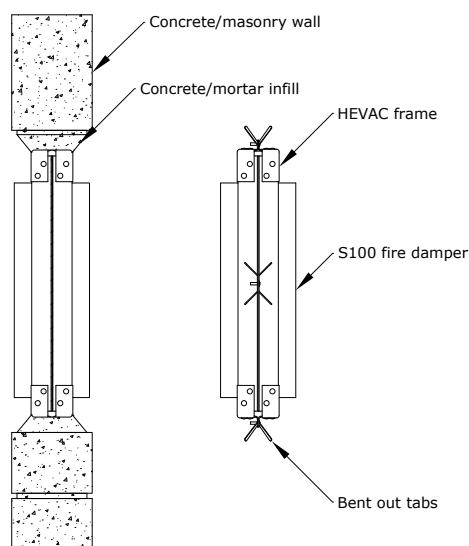
Multiple units - 301099A / 3

### Installation procedure

- Install damper centrally in the depth of the wall, the wall being not less than 150mm thick of aerated blockwork or concrete construction.
- If wall is thicker, installation so damper centre line is not less than 50mm from nearest wall face is acceptable.
- Wall aperture should be sized to give approximately 10mm clearance between damper extremities and wall.
- HEVAC frame tabs should be bent outwards and set into recesses in the wall aperture approximately 100mm long x 50mm deep in positions coinciding with the frame tab positions.
- Gaps between the HEVAC frame and the aperture should then be filled with mortar.

### Notes

- No lugs are required when fitting this CE marked fire damper.
- Multiple assemblies are subject to the same installation.



### **IMPORTANT NOTE**

**It is a legal requirement that fire dampers are installed in the way instructed by the manufacturer.  
Any other installation is untested and therefore illegal.**

**Responsibility for ensuring correct installation lies with all parties in the supply chain.**

## Installation Declaration for Series 100 Fire Dampers

- It is the installer's responsibility to ensure the installation is done as per the installation method provided.
- This document must be completed when installing any HVC Fire Damper.
- By signing this document you are declaring that the correct installation method has been followed.

| Check:  | Yes/No |
|---|--------|
| Is the installed damper the correct type?   |        |
| Is the damper installed correctly?  |        |
| Has the damper been correctly identified?   |        |
| Has the correct orientation been used?  |        |
| Are there sufficient access routes installed?   |        |
| Has a check of the damper been carried out for: <ul style="list-style-type: none"> <li>• Internal cleanliness?</li> <li>• Damage?</li> <li>• Obstructing debris?</li> </ul> |        |
| Has a drop test been carried out?   |        |
| At the time of handover is the fire barrier and penetration seal complete?  |        |

|   |  |
|---|--|
| <b>Damper unique system I.D. (If applicable):</b> |  |
| <b>Damper location:</b>                           |  |
| <b>Installation address:</b>                      |  |
| <b>Damper type: e.g. S100BGH</b>                  |  |
| <b>Link rated temperature:</b>                    |  |
| <b>Notes:</b>                                     |  |

|                                  |  |
|----------------------------------|--|
| <b>Installer's name:</b>         |  |
| <b>Company name:</b>             |  |
| <b>Company address:</b>          |  |
| <b>Company telephone number:</b> |  |

I hereby confirm that the damper detailed above has been installed in accordance with HVC Supplies (Stourbridge) Ltd's tested installation method, and has been tested as above.

**Installer's signature:**

**Date:**