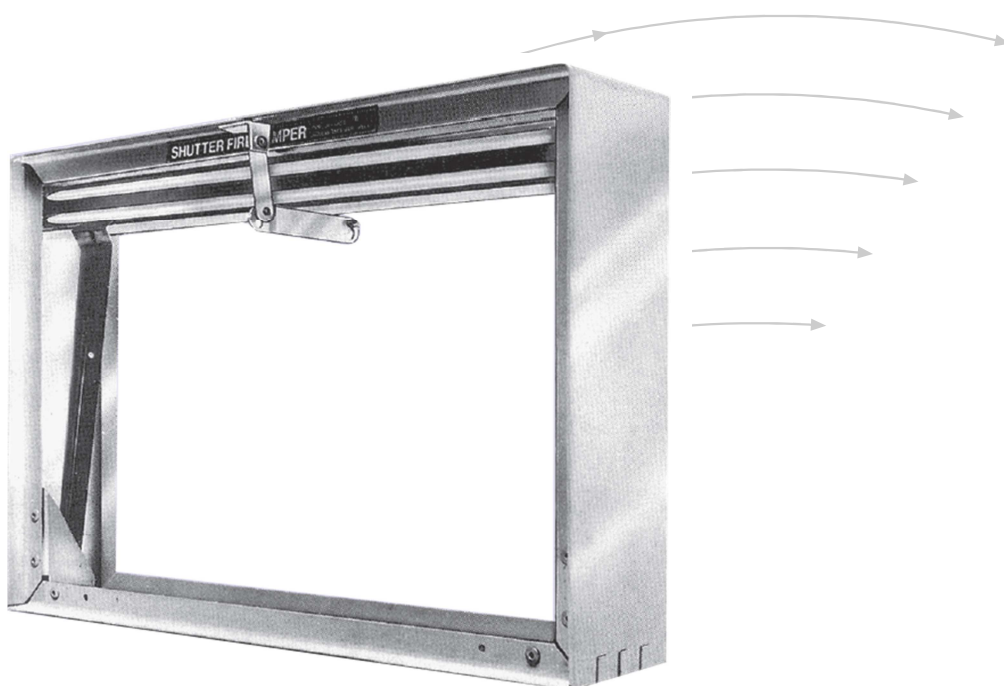


Shutter Type Fire Damper

Type FSD



TROX[®] TECHNIK

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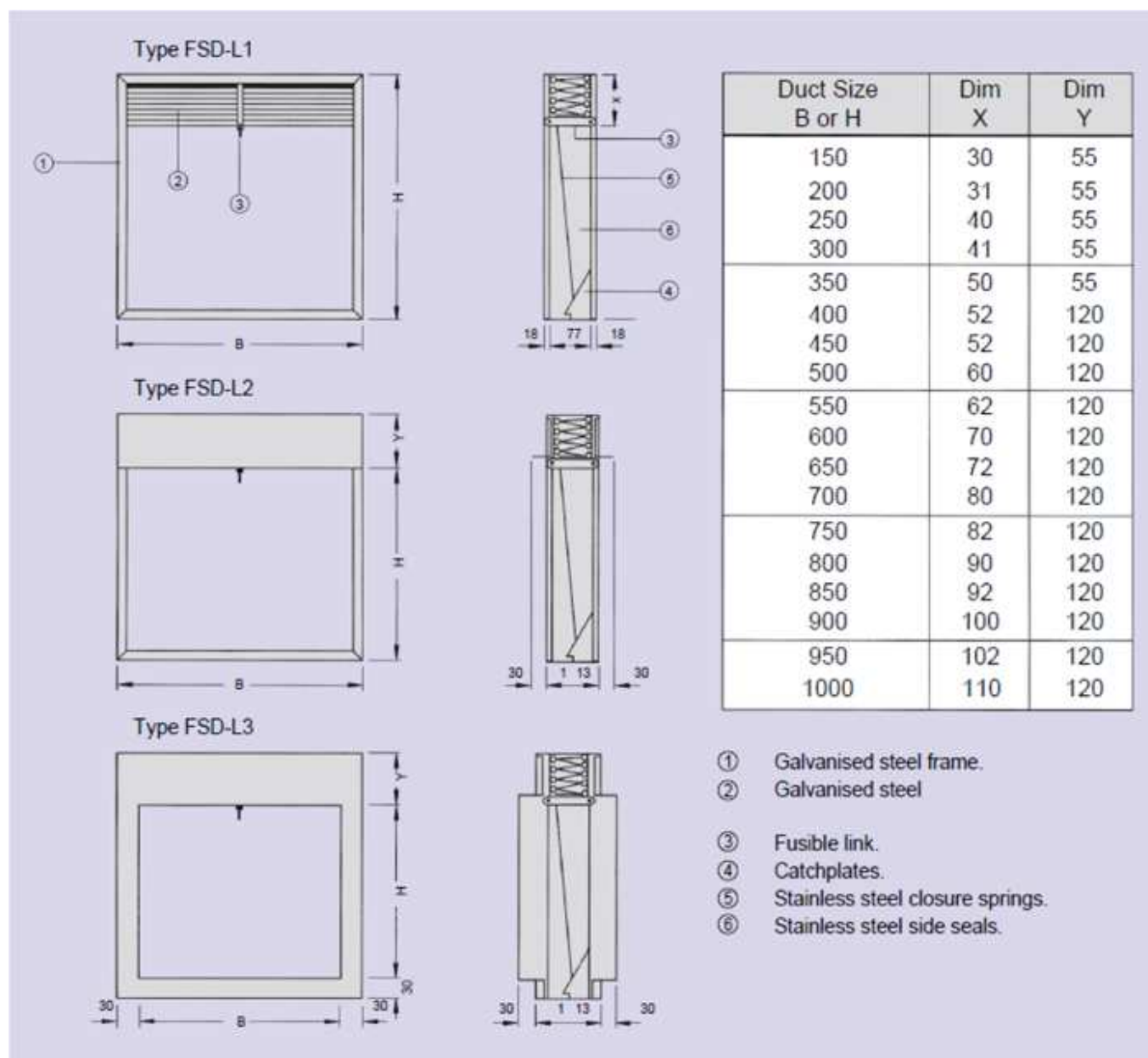
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Types FSD-L1 • FSD-L2 • FSD-L3

Types L1.. L3 shutter fire dampers are for use in low pressure systems, the interlocking hinged blades are easily reset from the side of the damper to which the catchplate is fitted, an access panel must be installed on that side to allow for resetting the fusible link.

The Type L3 can be used with a HVF (HEVAC) subframe. The installation method for multiple section installation must have the relevant local approvals. It should be noted that multiple installations may experience difficulty in establishing positive closure against airflow pressure when the fan is in operation.

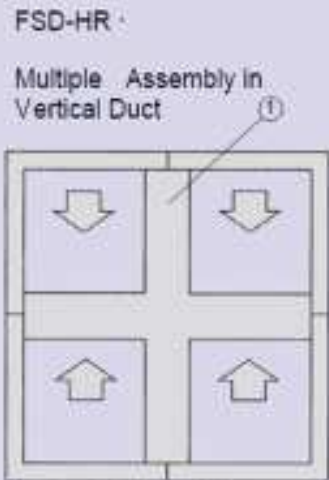
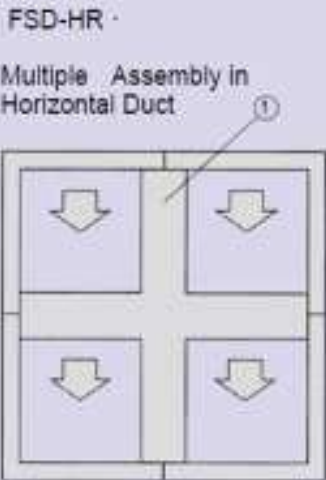
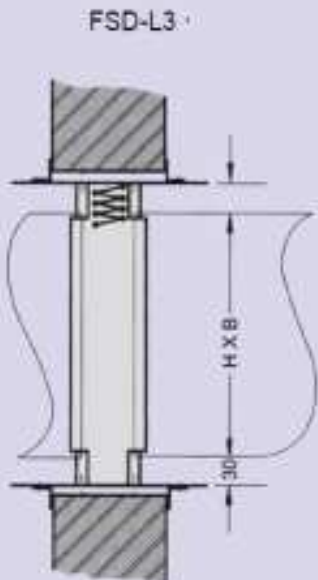
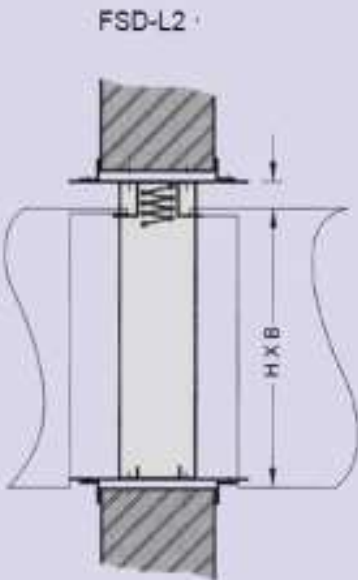
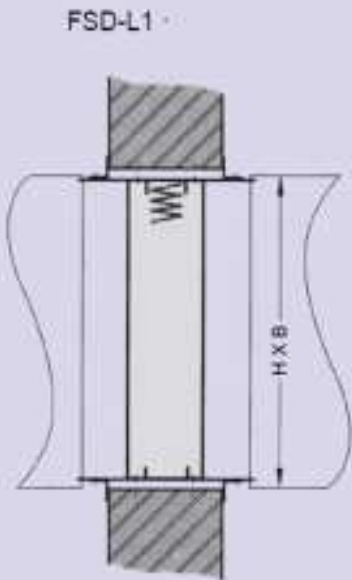


Installation Details

Installation with Sleeve and Peripheral Angles :

As an alternative for use where the HEVAC frame is not desired, or cannot be fitted, peripheral sleeves and angle frames can be constructed in accordance with the following. The damper should be installed centrally within the surrounding wall or floor thickness such that the centre line of the frame is a minimum distance of 50mm from the nearest face of the wall or floor. The damper should be installed in a rectangular galvanised steel sleeve with a minimum thickness of 1.2mm. This sleeve should be attached to the damper not to the builder's work by 6mm diameter bolts spaced at not more than 225 mm centres. The sleeve should be of a suitable length to extend through the wall or floor opening to enable the fitting of the cover angles and ductwork. The cover angles should be attached to the sleeve by 6mm diameter bolts at a maximum of 225mm

centres, and should form a complete frame around the sleeve and cover over the expansion gap (see note) required between sleeve and wall or floor opening. The expansion gap should be filled with compressible, non-combustible material (mineral wool). The cover angle should be of such a size as always to form a cover over the wall or floor opening by 25mm minimum, and should be manufactured from a minimum size of 38 x 38 x 6mm steel angle. All fixings of frames must be positioned clear of the damper blade path so as not to impede proper closure.



① Type CC Channel Frame

B X H	Total Clearance	Clearance per side
0-500	6mm	3mm
500-1000	13mm	6mm

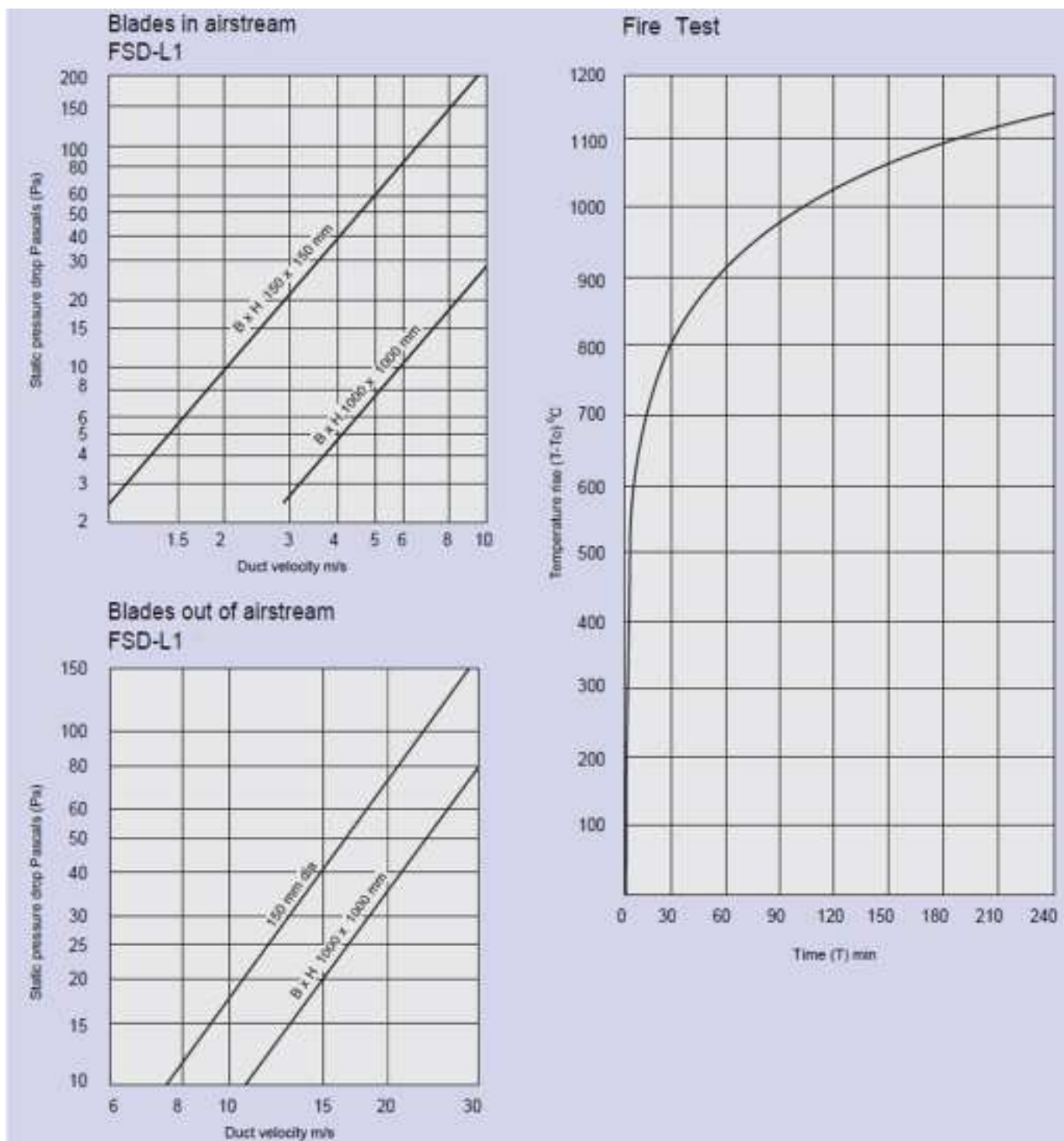
Installation requirements :
The installer should note that the installation and location of access panels is to be to the satisfaction on the District Surveyor or Building Inspector.

Control Accessories

The fire dampers shown have been tested by an independent authority (Warrington Research Centre) according to British Standard 476 Part 8 : 1972 for a period of 4 hours.

The time/ temperature curve required by this test procedure is shown below, after 4 hours test the FSD/GFSD retained its integrity with no significant openings being formed .

Pressure losses are shown below for units with blades either in or out of the airstream.



Order Code



Order Example

Make : TROX
Type : FSD-L1/
Size 1000 x 300

Specification Text

FSD Fire Dampers consist of rolled galvanised steel case and interlocking shutter type blades. Casing complete with catch plates, stainless steel side seals and constant tension closure springs. Suitable for either rectangular, circular or flat oval ducting available with high or low pressure construction. Standard release 72° C fusible link.