

# Installation Detail

If your proposed installation details differ from that shown here, please discuss this with the authority having jurisdiction, referencing this documentation.

Deviation from this drawing requires approval of the relevant authority.

Connecting ductwork omitted for clarity. Ductwork must be independently supported. There must be an appropriate break-away joint between the damper and the connecting ductwork on both sides of the installation.

A minimum of 200mm between fire dampers installed in separate ducts and 75mm between fire damper and construction elements/edges needs to be observed unless otherwise specified in the drawing.



SCAN ME

Please refer to the DoP for latest classifications for CE/UKCA compliance and the Installation, Operation and Maintenance Guide

F	ECN2227	JPM	29/04/22
E	ECN1941	MJB	14-08-19
D	ECN1922	MJB	12-04-19
C	ECN1909	MJB	27-02-19
B	EC1830	RTC	20/03/18
A	EC1770	MJB	20-02-18
Rev:	Comments:	By:	Date:

Drawn By:	J. Medwin	Date:	04/11/2016
Checked By:	Kimberley.M	Date:	29/04/2022
Approved By:	Gore.S	Date:	29/04/2022

Description:  
**VERTICAL APPLICATION**  
**FIRE SHIELD DWFX-F**

Damper Size Range (mm)  
100 x 100 to 1250 x 1000

Reference No:	Sheet	Rev
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## SECTION B-B

Dampers supplied with cleats welded to top flange to assist with installation only

2-off 12.5mm. gypsum fire boards type F (EN520) both sides

52 stud channel

12.5mm.thick gypsum fire boards type F (EN520) on sides and bottom, fixed with min Ø 4mm drywall screws at least 60mm long (@300 ctrs) into stud channels.

Damper casing

## SECTION A-A

Diameter 5-10mm of low pressure intumescent mastic, applied in a wavy line along top edge of damper as a gap filler.

12.5mm. x 25/75/100mm. (to suit damper type) gypsum fireboard type F (EN520), fixed with min Ø 4mm drywall screws at least 40mm into stud channels at ends.

Gap packed with stone mineral wool all round min. 30kg/m³

DWFX-F angle flange (welded to damper casing) on sides and bottom fixed with min Ø 4mm drywall screws at least 50mm long (@150mm. ctrs) into stud channel.

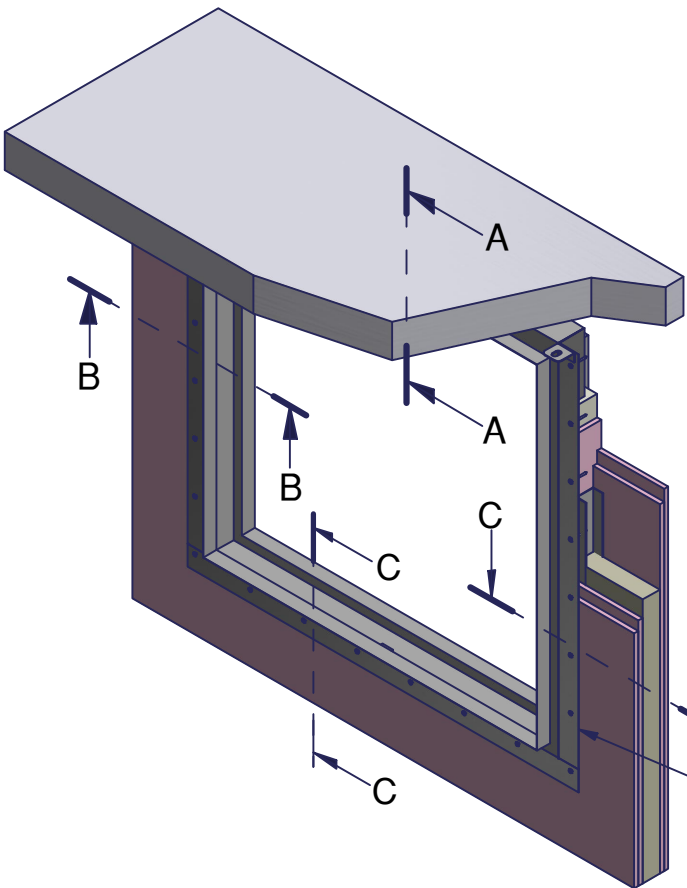
## SECTION C-C


5mm. - 30mm. on 3 sides

Angle flange

Stone mineral wool min 30kg/m³ at least 40mm deep

min 100mm Thickness



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All dimensions in mm. **Do NOT** scale from drawing. If in doubt **ASK!****actionair**  
by Swegon

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**Assembly Notes**

Part No: N/A

Est Weight: N/A

Drawing notes &amp; limits (unless otherwise stated)

No Decimal:  $\pm 1.00\text{mm}$ One Decimal:  $\pm 0.50\text{mm}$ Two Decimals:  $\pm 0.25\text{mm}$ Three Decimals:  $\pm 0.10\text{mm}$ Angles:  $\pm 2.00$  degrees

Critical dims and features shown in red and enclosed in box

**Manufacturing Detail****Notes**

- Angle flanges on access side.
- 1.20mm x 60mm. x 78mm, (m/stl galv.) flange to damper casing welds must be 6-10mm stitch welds, 125mm (max) centres.
- Two cleats welded to side angles as shown.

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Rev: Comments: By: Date:

Drawn By: J. Medwin Date: 04/11/2016

Checked By: Kimberley.M Date: 29/04/2022

Approved By: Gore.S Date: 29/04/2022

Product: FS

Client: N/A

Project: N/A

Description:

FS damper manufacturing detail for DWFX-F installation in a plasterboard wall against a supporting construction

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**NON-ACCESS SIDE****ACCESS SIDE**

Fire/shield cassette

Three flange faces flush with damper case

Seam weld join in flange  
Typical two places

Two cleats (SF028)

All four corners to be fully welded to the damper case

25 for 100 - 249 high damper  
50 for 250 - 624 high damper  
75 for 625 - 850 high damper  
100 for 851 - 1000 high damper

**NON-ACCESS SIDE**

1.2mm x 78mm. x 60mm. flanges.

