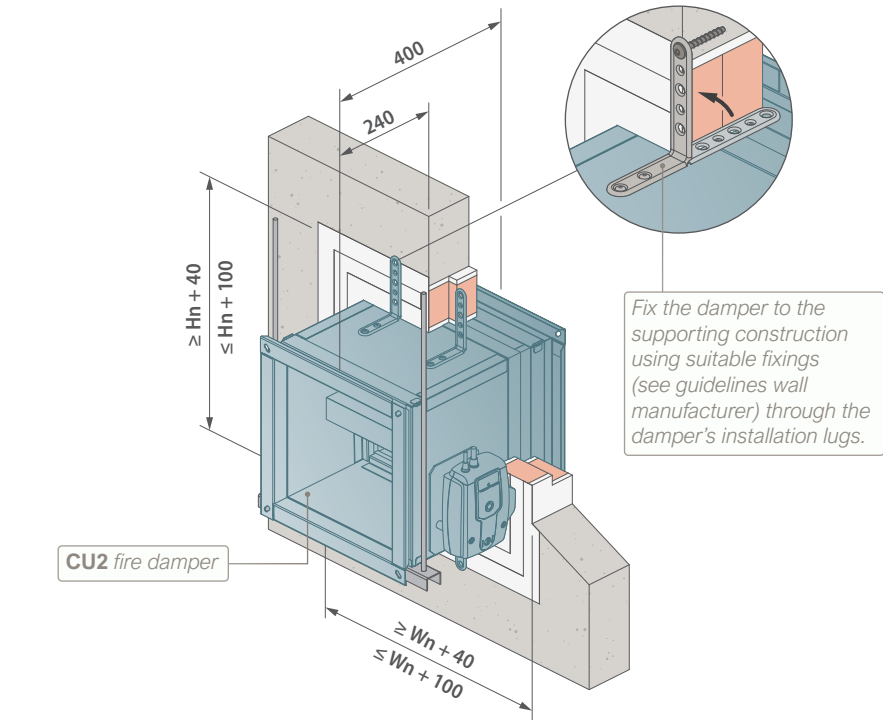
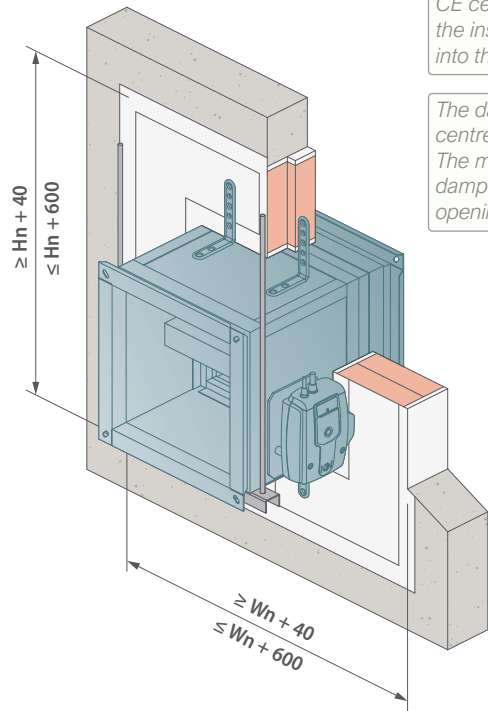


CU2 FIRE DAMPER

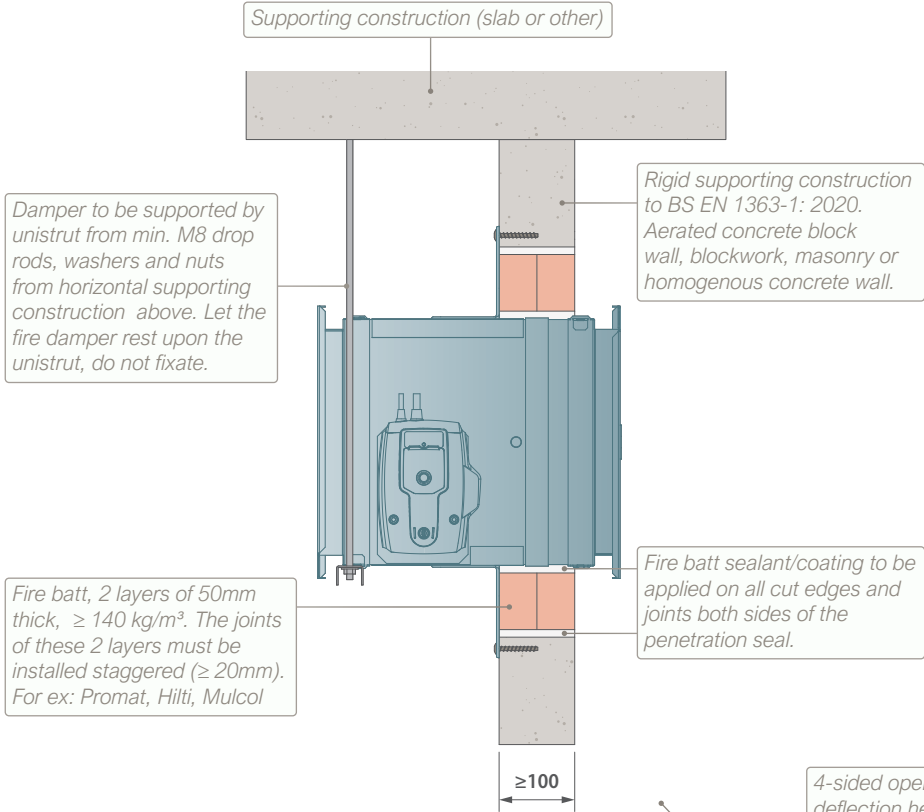


Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.



For larger wall openings (damper  $W_n \times H_n + \text{max. } 600$ ), CE certification is valid without the installation lugs being fixed into the supporting construction.

The damper doesn't need to be centred in the opening. The max. distance between the damper and the edge of the opening is 400 mm.



Damper to be supported by unistrut from min. M8 drop rods, washers and nuts from horizontal supporting construction above. Let the fire damper rest upon the unistrut, do not fixate.

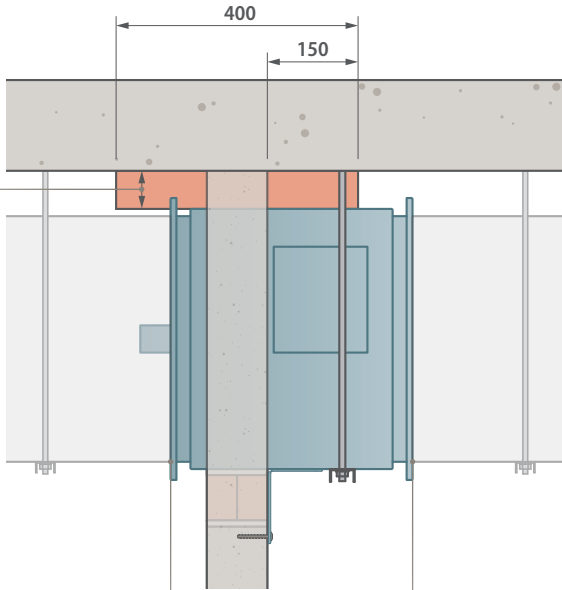
Rigid supporting construction to BS EN 1363-1: 2020. Aerated concrete block wall, blockwork, masonry or homogenous concrete wall.

Fire batt sealant/coating to be applied on all cut edges and joints both sides of the penetration seal.

Fire batt, 2 layers of 50mm thick,  $\geq 140 \text{ kg/m}^3$ . The joints of these 2 layers must be installed staggered ( $\geq 20\text{mm}$ ). For ex: Promat, Hilti, Mulcol

Suspension of the fire damper acc. to DW145 guidelines. Dimension suspension system acc. to weight and required fire resistance. Suspension is not required for CE certification.

- If distance from damper tunnel to horizontal supporting construction  $\geq 75 \text{ mm}$  : apply 2 layers of fire batt as shown above.
- If distance from damper tunnel to horizontal supporting construction  $\geq 50$  and  $< 75 \text{ mm}$  : apply fire batt (density min.  $150\text{kg/m}^3$ ) between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the fire batt nor use coated fire batt.
- If distance from damper tunnel to horizontal supporting construction  $\geq 25$  and  $< 50 \text{ mm}$  : apply stone wool (density min.  $40 \text{ kg/m}^3$ ) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the stone wool.

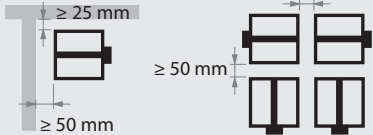
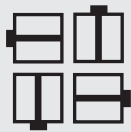


Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly

4-sided opening: the wall can support a deflection head without affecting the installation detail or classification of the fire damper. 3-sided opening: only applicable if no deflection of the supporting construction above is to be expected.

TECHNICAL FEATURES

- Damper range (WxH): 200x200 till 1200x800.
- Damper can be installed with blade in vertical or horizontal position.
- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- More info on larger wall openings. See CU2 Fire Damper Installation manual.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU2 Installation manual.
- To be read in conjunction with the CU2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE certification):
  - Installation lugs as shown in the drawings are available upon request.
  - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: Breakaway and flexible joints should incorporate materials, fixings, clamps, etc. that are manufactured from non-fire-resistant material with a low melting point such as aluminium, plastic etc.).
  - Provide space to access the internal components of a damper through an adjacent ductwork opening. Rf-T can provide an inspection opening on the damper body upon request (option UL).
  - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.



INSTALLATION MANUAL



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU2 fire damper in rigid supporting construction. Installation detail with fire batt.

PAGE

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CLASSIFICATION

EI 60/90 (ve i-→o)S



REV

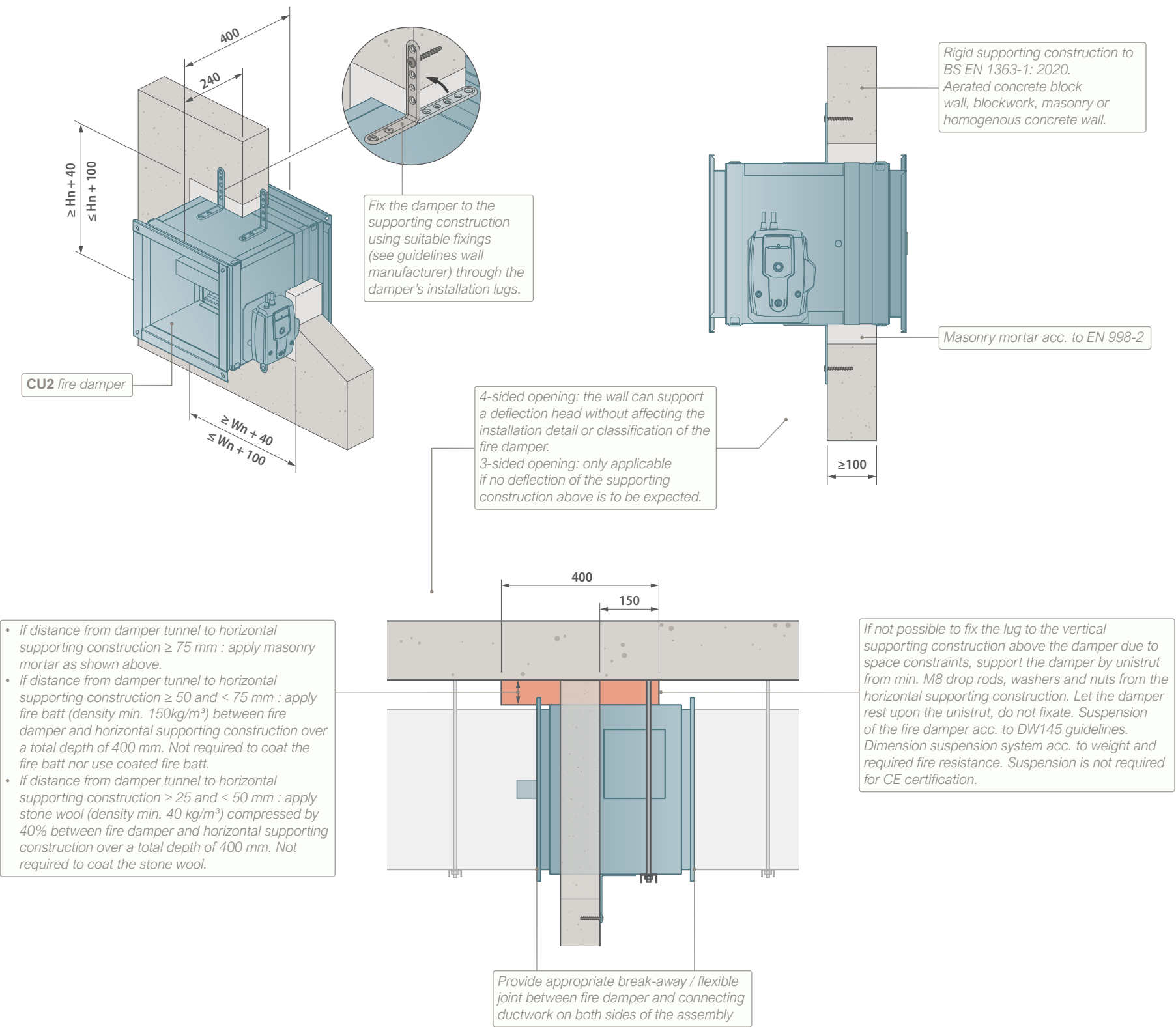
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TECHNICAL FEATURES

- Damper range (WxH): 200x200 till 1500x1000.
- Damper blade position is defined by the required classification and damper size:

EI60 S		EI60 S	
EI90 S		EI90 S (max. size 1500x800)	
EI120 S (max. size 1200x800)		EI120 S (max. size 1200x800)	
- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU2 Installation manual.

EI60 S		≥ 50 mm	
EI90 S		≥ 50 mm	
EI120 S (max. size 1200x800)		≥ 50 mm	
- To be read in conjunction with the CU2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE certification):
  - Installation lugs as shown in the drawings are available upon request.
  - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: Breakaway and flexible joints should incorporate materials, fixings, clamps, etc. that are manufactured from non-fire-resistant material with a low melting point such as aluminium, plastic etc.).
  - Provide space to access the internal components of a damper through an adjacent ductwork opening. Rf-T can provide an inspection opening on the damper body upon request (option UL).
  - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.

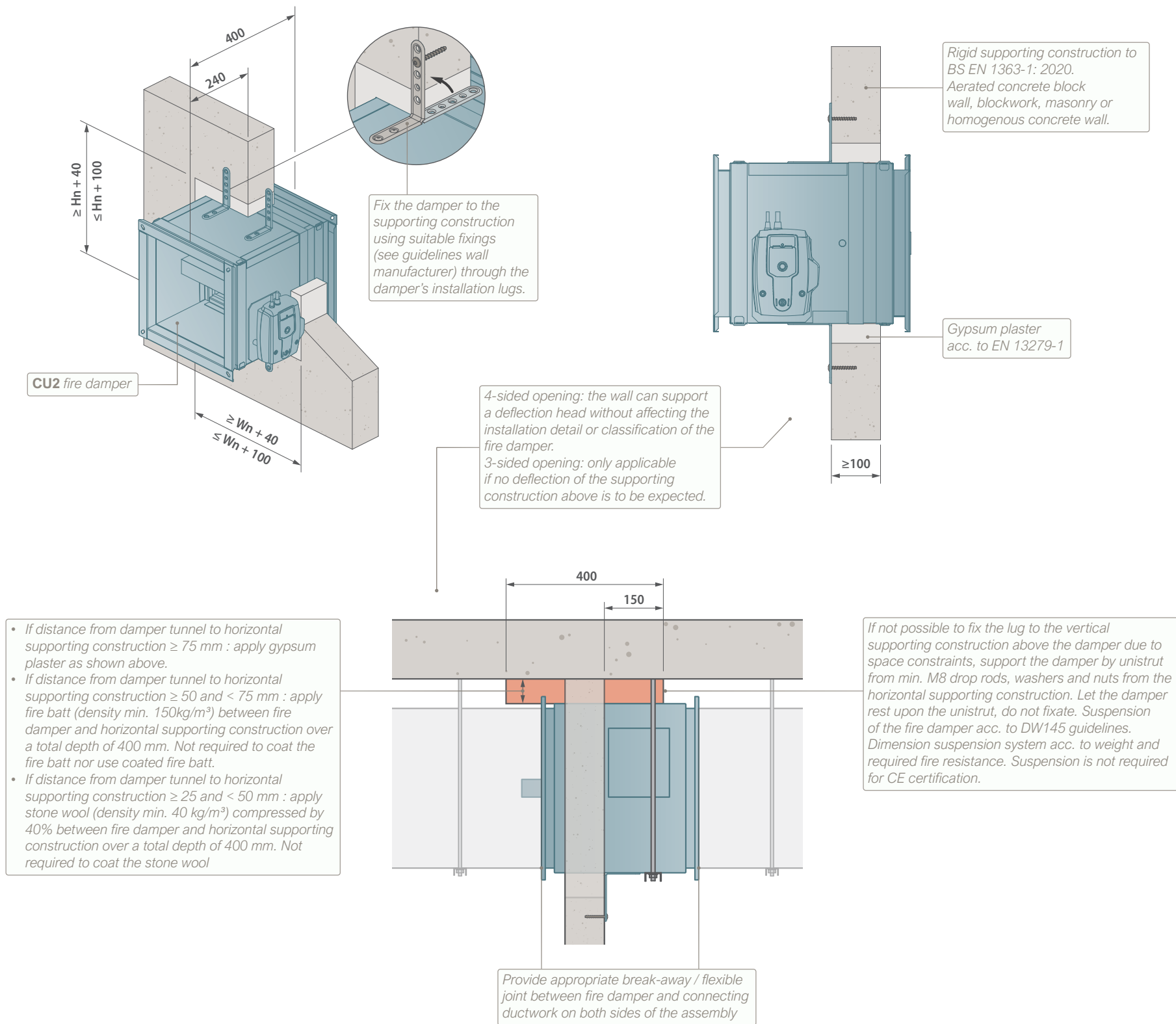
INSTALLATION MANUAL



INSPECTION AND HANDOVER CHECK LIST



<b>PLAN TITLE</b>		<b>PAGE</b>
CU2 fire damper in rigid supporting construction. Installation detail with mortar.		1/1
<b>CLASSIFICATION</b>		UK CA   CE
EI 60/90/120 (ve i↔→)S		
<b>REV</b>	<b>DATE</b>	 Rf-Technologies
C	06/01/2026	



TECHNICAL FEATURES

- Damper range (WxH): 200x200 till 1500x1000.
- Damper blade position is defined by the required classification and damper size:

El60 S		El60 S	
El90 S		El90 S (max. size 1200x800)	
El120 S			
- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU2 Installation manual.

El60 S		$\geq 25$ mm	$\geq 50$ mm
El90 S		$\geq 50$ mm	$\geq 50$ mm
El120 S		$\geq 50$ mm	$\geq 50$ mm
- To be read in conjunction with the CU2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE certification):
  - Installation lugs as shown in the drawings are available upon request.
  - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: Breakaway and flexible joints should incorporate materials, fixings, clamps, etc. that are manufactured from non-fire-resistant material with a low melting point such as aluminium, plastic etc.).
  - Provide space to access the internal components of a damper through an adjacent ductwork opening. Rf-T can provide an inspection opening on the damper body upon request (option UL).
  - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.

INSTALLATION MANUAL



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU2 fire damper in rigid supporting construction.  
Installation detail with gypsum plaster.

PAGE

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CLASSIFICATION

El 60/90/120 (ve i↔→)S



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