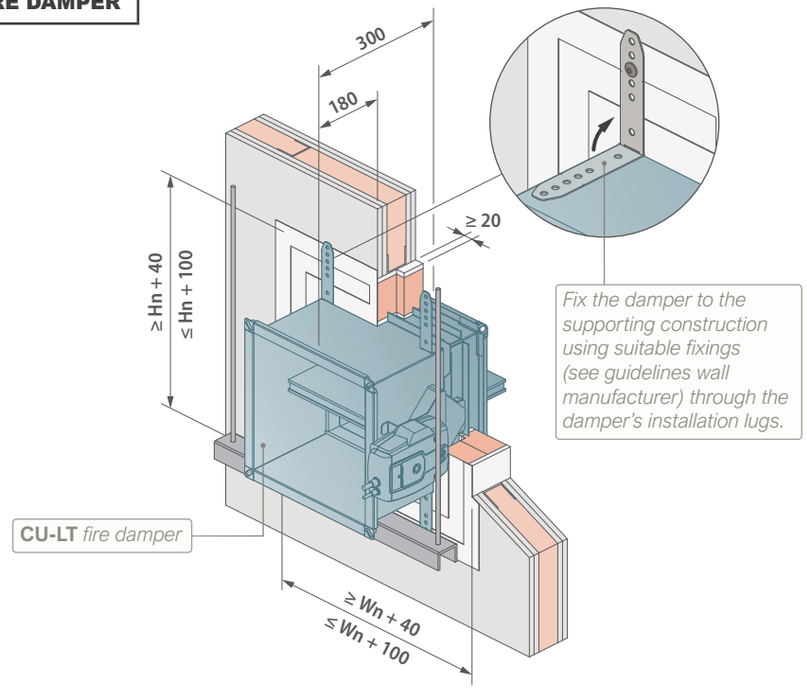
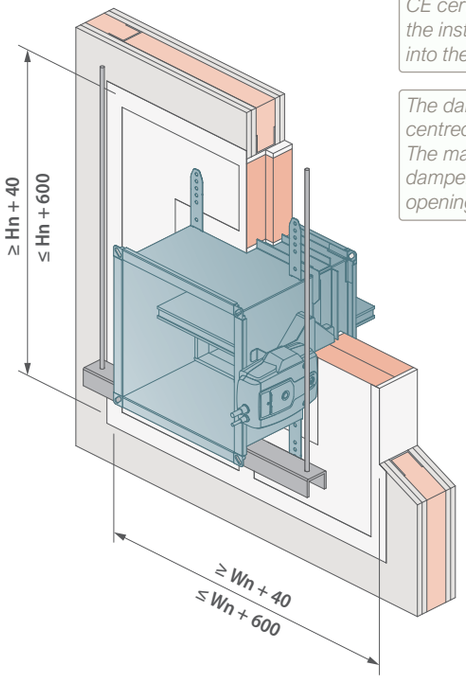
CU-LT FIRE DAMPER

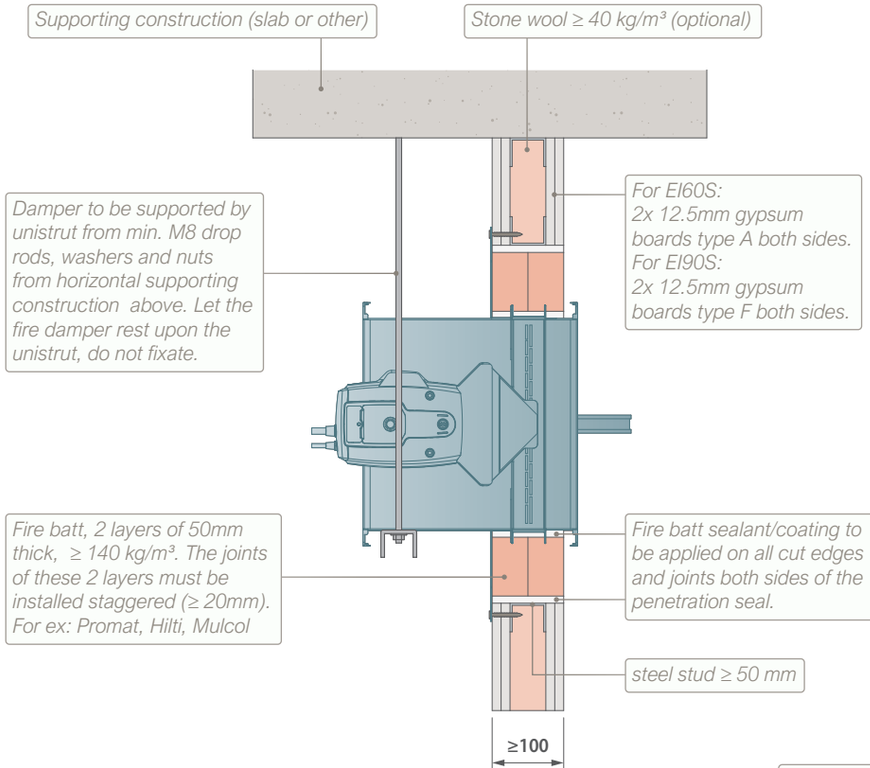


Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.



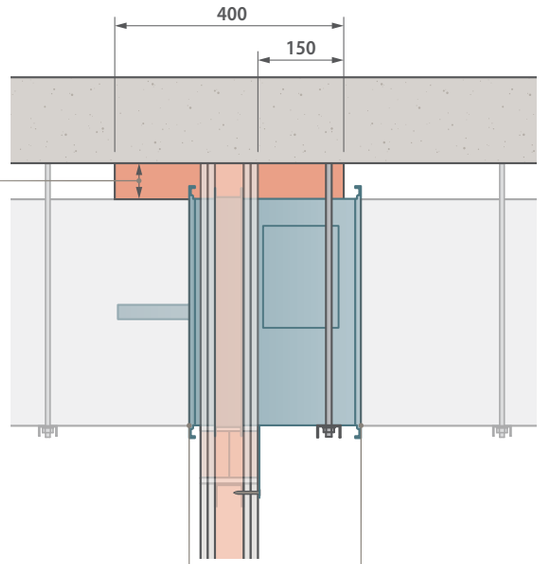
For larger wall openings (damper Wn x Hn + max. 600), CE certification is valid without the installation lugs being fixed into the supporting construction.

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.



- *If distance from damper tunnel to horizontal supporting construction ≥ 75 mm : apply 2 layers of fire batt as shown above.*
- *If distance from damper tunnel to horizontal supporting construction ≥ 50 and < 75 mm : apply fire batt (density min. 150kg/m³) 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 ≥ 25* and < 50 mm : apply stone wool (density min. 40 kg/m³) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the stone wool.*

** 35 if CU-LT Hn = 100 mm*

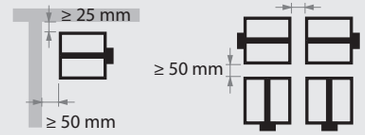


Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- 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 CU-LT 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 CU-LT installation manual.



- To be read in conjunction with the CU-LT 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

CU-LT fire damper in flexible supporting construction. Installation detail with fire batt.

PAGE

1/1

CLASSIFICATION

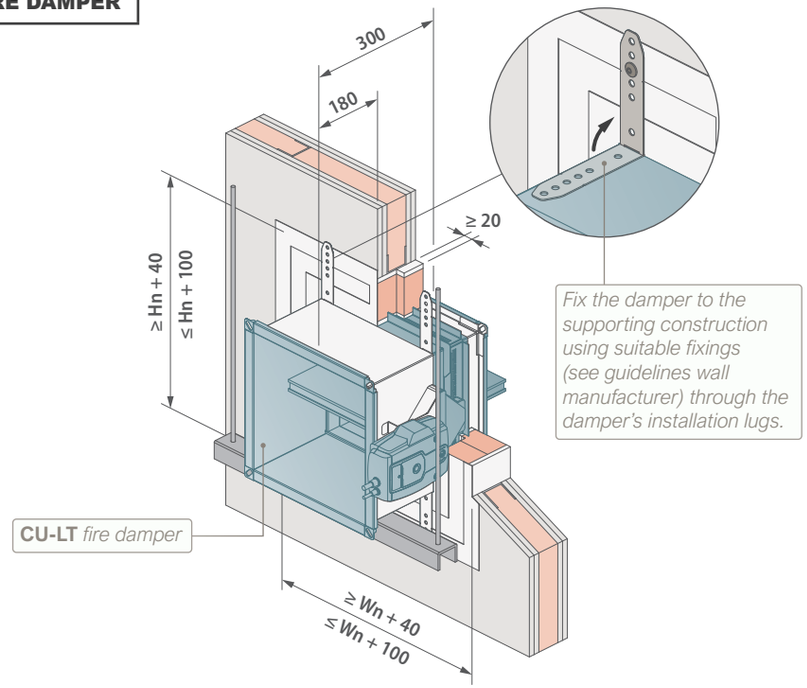
EI 60/90 (ve i↔o)S

UK CA CE

REV	DATE
C	20/08/2025

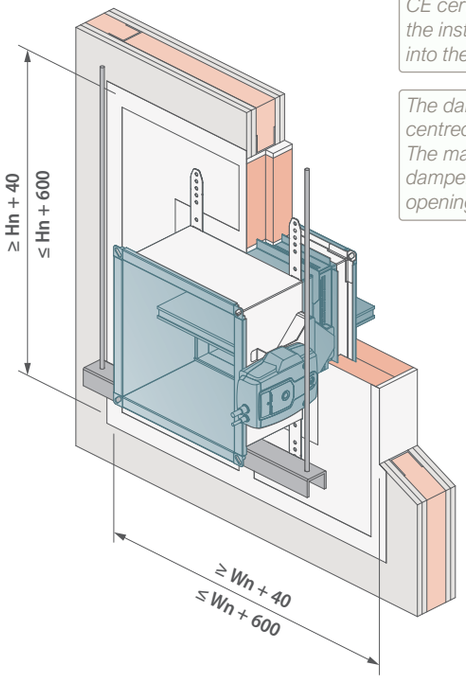
Rf-t Rf-Technologies

CU-LT FIRE DAMPER



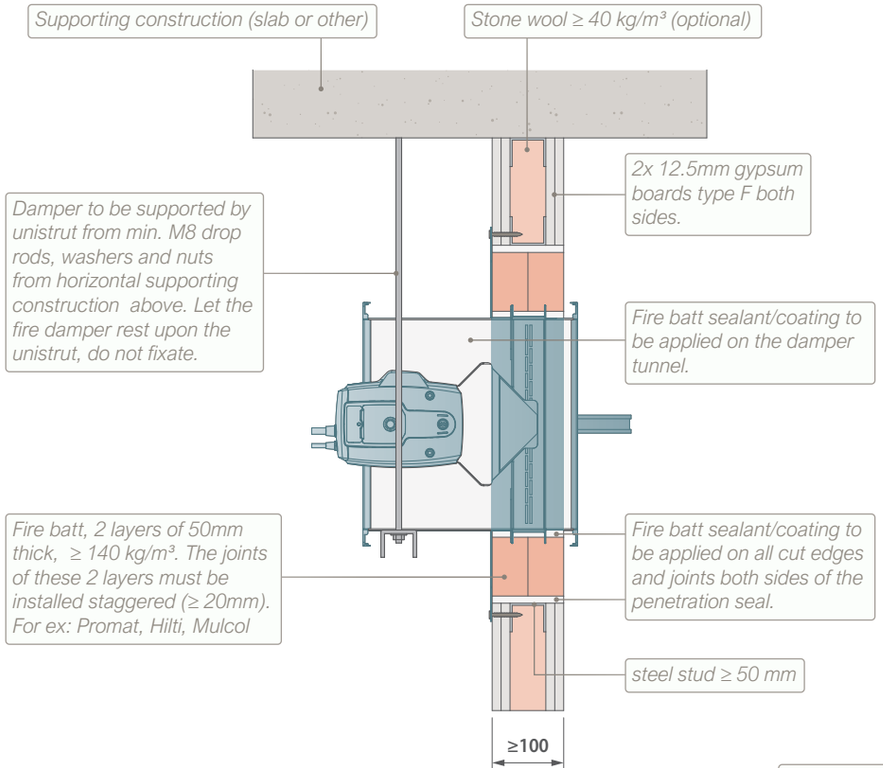
Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.

CU-LT *fire damper*



For larger wall openings (damper Wn x Hn + max. 600), CE certification is valid without the installation lugs being fixed into the supporting construction.

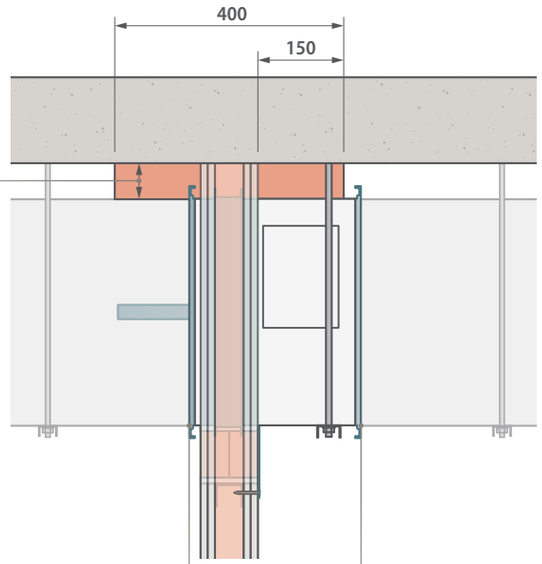
The damper doesn't need to be centred in the opening. The max. distance between the damper and the edge of the opening is 400 mm.



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 ≥ 75 mm : apply 2 layers of fire batt as shown above.*
- *If distance from damper tunnel to horizontal supporting construction ≥ 50 and < 75 mm : apply fire batt (density min. 150kg/m³) 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 ≥ 25* and < 50 mm : apply stone wool (density min. 40 kg/m³) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the stone wool.*

** 35 if CU-LT Hn = 100 mm*



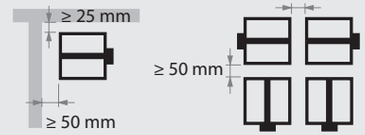
Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly

4-sided opening: the partition 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): 200x100 till 800x600.
- 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 CU-LT 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 CU-LT installation manual.



- To be read in conjunction with the CU-LT 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

CU-LT fire damper in flexible supporting construction. Installation detail with fire batt and coating on the damper tunnel.

PAGE

1/1

CLASSIFICATION

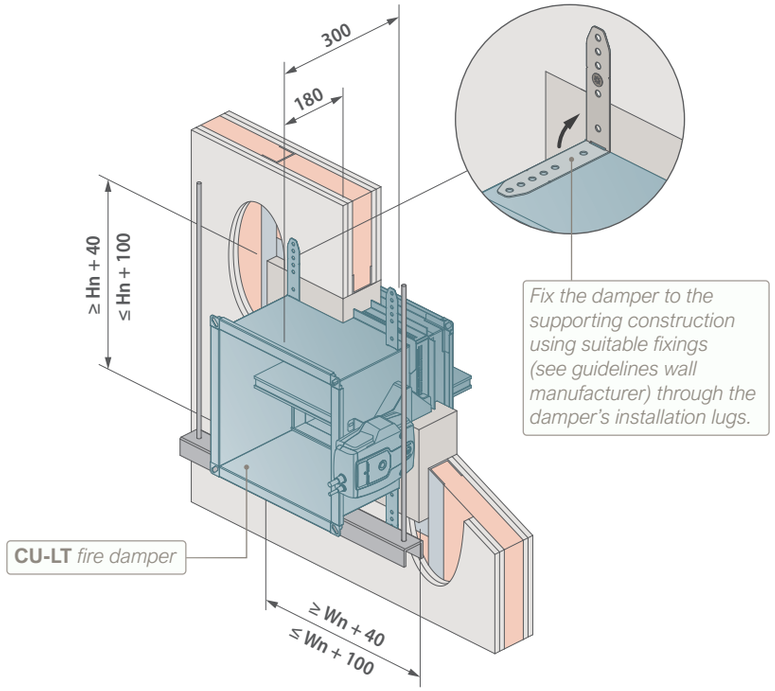
EI 120 (ve i↔o)S

UK CA CE

REV	DATE
C	20/08/2025

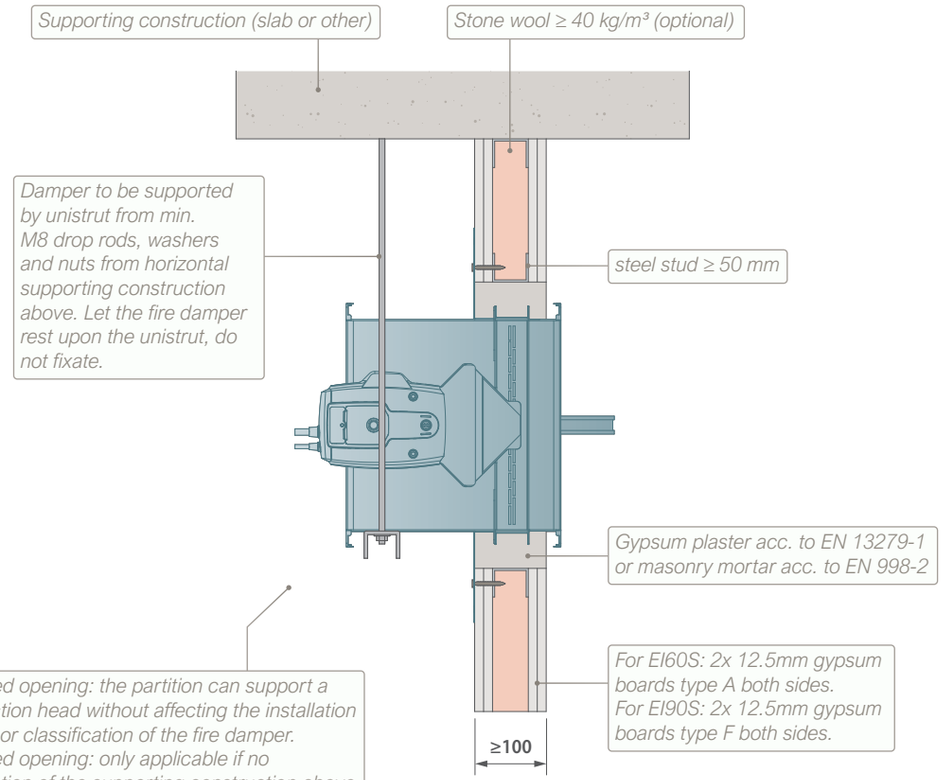
Rf-t Rf-Technologies

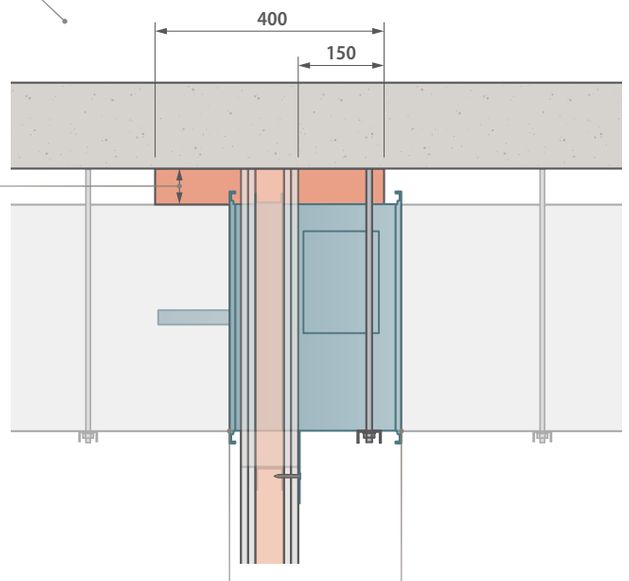
CU-LT FIRE DAMPER



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

CU-LT *fire damper*





- *If distance from damper tunnel to horizontal supporting construction ≥ 75 mm : apply gypsum plaster or mortar as shown above.*
- *If distance from damper tunnel to horizontal supporting construction ≥ 50 and < 75 mm : apply fire batt (density min. 150kg/m³) between fire damper and horizontal supporting construction over a total depth of 400 mm (Not required to coat the firebatt nor use coated firebatt).*
- *If distance from damper tunnel to horizontal supporting construction ≥ 25* and < 50 mm : apply stone wool (density min. 40 kg/m³) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm (Not required to coat stone wool).*

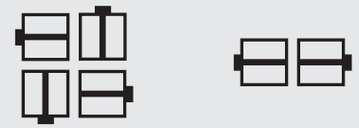
** 35 if CU-LT Hn = 100 mm*

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.

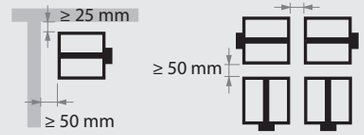
Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with blade in vertical or horizontal position when using gypsum plaster.
  If mortar : installation with blade in horizontal position.



- 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 CU-LT installation manual. When using mortar as sealant, install with damper blade in horizontal position.



- To be read in conjunction with the CU-LT 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
CU-LT fire damper in flexible supporting construction
Installation detail with gypsum plaster or mortar

PAGE
1/1

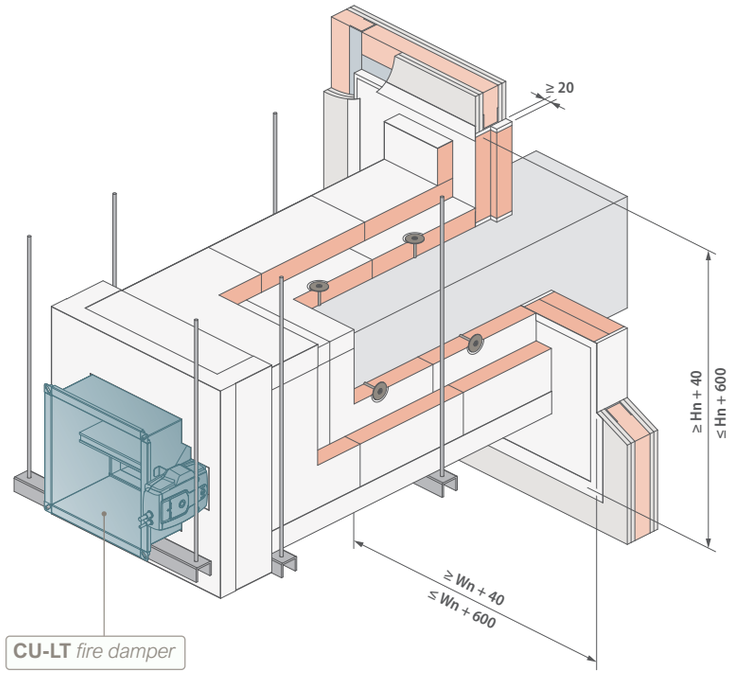
CLASSIFICATION
EI 60/90 (ve i↔o)S

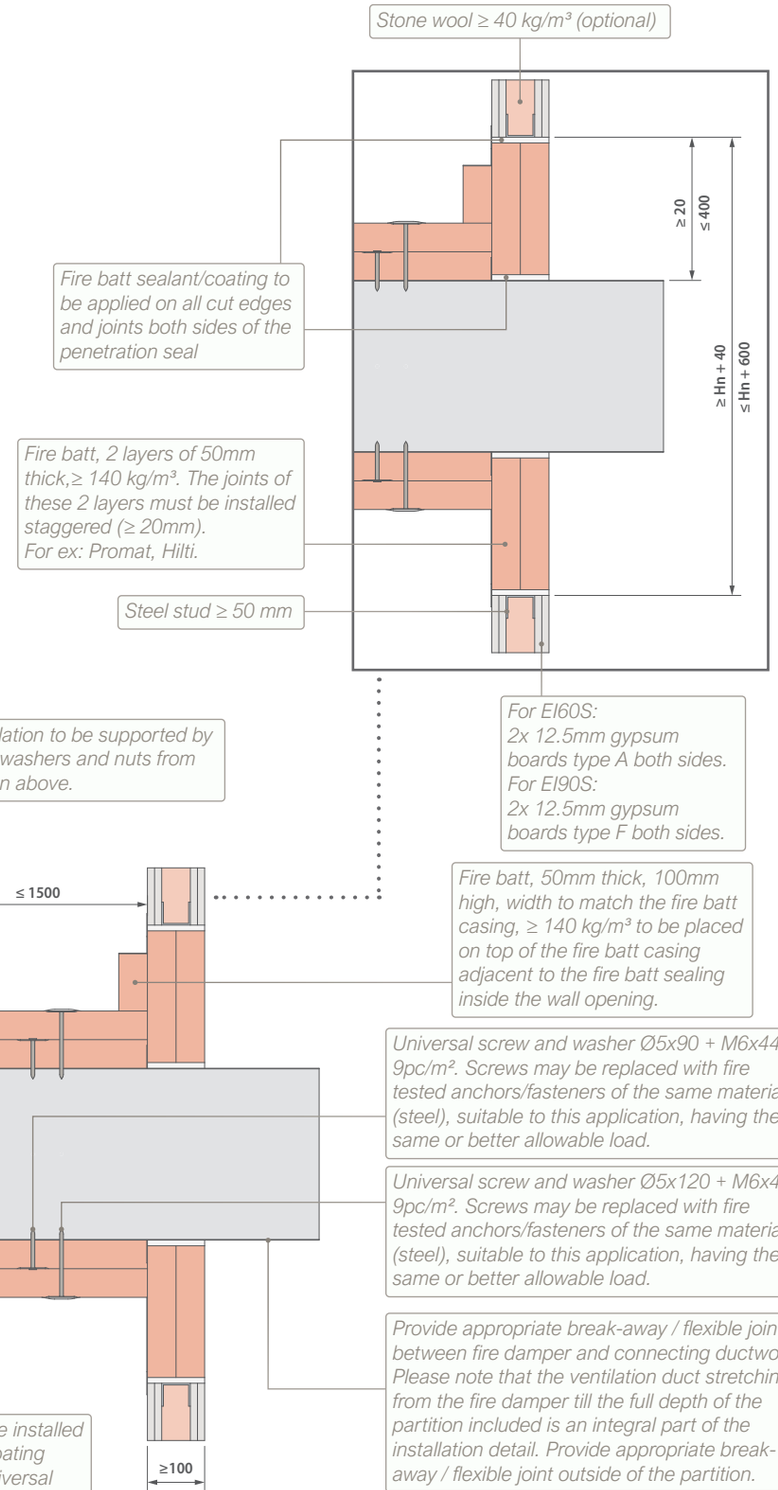
UK CA CE

REV	DATE
C	20/08/2025

Rf-t Rf-Technologies

CU-LT FIRE DAMPER

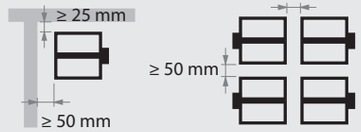




TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Install the damper with the blade in horizontal position.

- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Based on our CE certification, the damper may be installed remote from wall at any distance.
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- 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 CU-LT installation manual.



- To be read in conjunction with the CU-LT Fire Damper installation manual.
- Guidelines acc. to DW144/145 (not required for CE certification):
  - 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

CU-LT fire damper remote from a flexible supporting construction. Installation detail with IFW installation block and fire batt

PAGE

1/1

CLASSIFICATION

EI 60/90 (ve i↔o)S

UK CA CE

REV	DATE	
D	23/10/2025	Rf-t Rf-Technologies