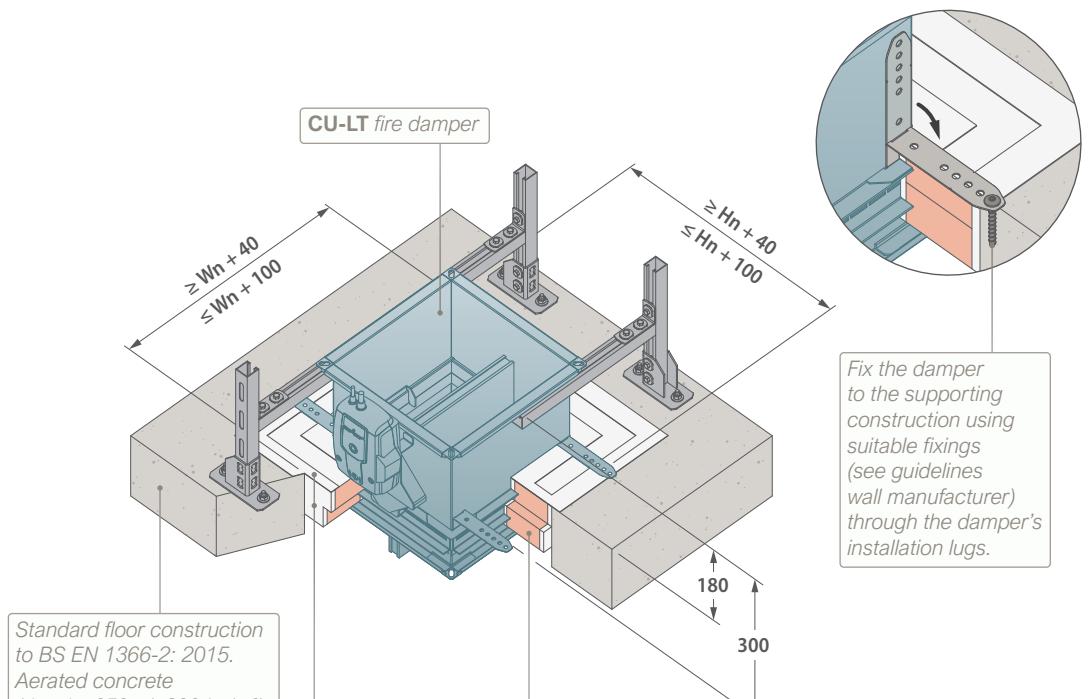


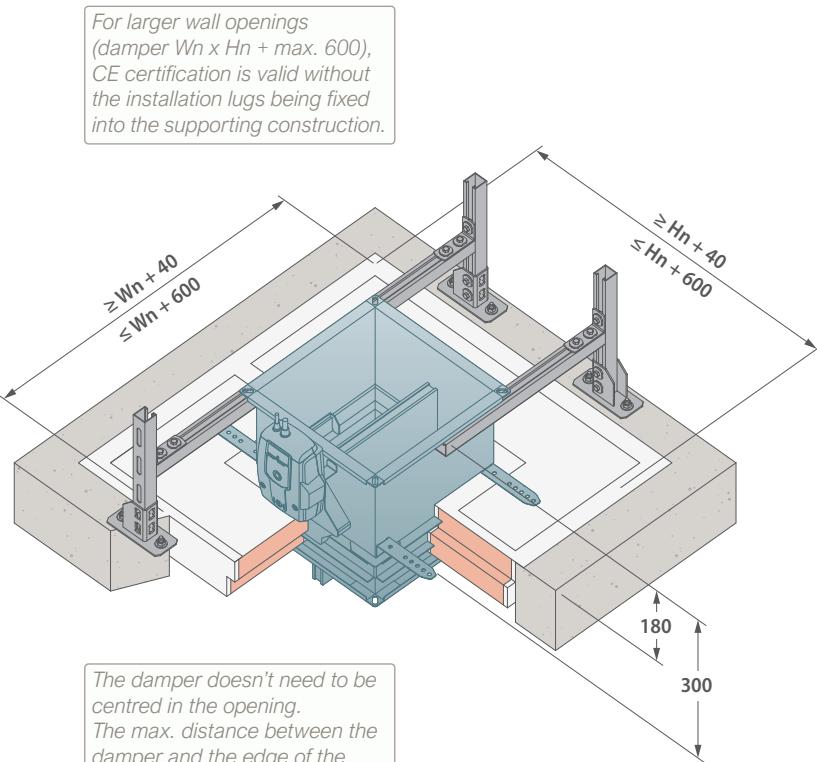
CU-LT FIRE DAMPER



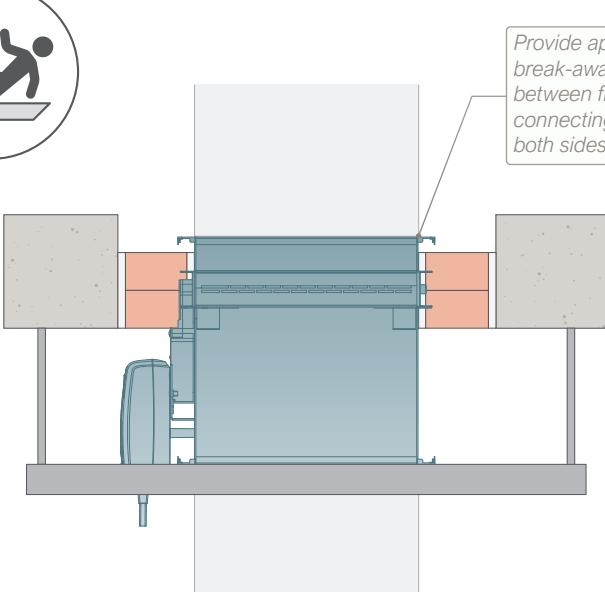
Standard floor construction to BS EN 1366-2: 2015. Aerated concrete (density 650 +/- 200 kg/m³).

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

Fire batt, 2 layers of 50 mm thick, ≥ 140 kg/m³. The joints of these 2 layers must be installed staggered (≥ 20mm). For ex.: Promat, Hilti



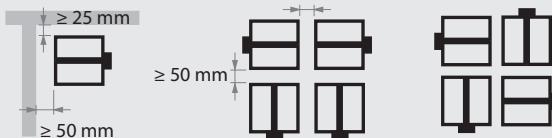
For larger wall openings (damper Wn x Hn + max. 600), CE certification is valid without the installation lugs being fixed into the supporting construction.



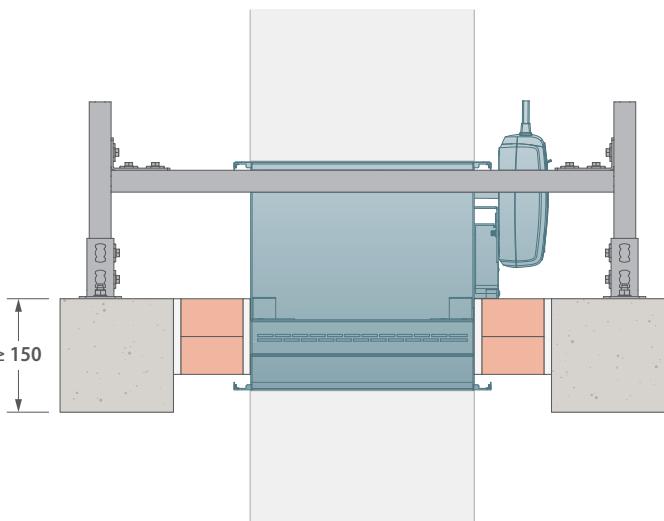
Suspension of the fire damper acc. to DW145 guidelines. The suspension system as shown in this detail may be replaced by an alternative system. Dimension suspension system acc. to weight and required fire resistance. Suspension is not required for CE certification.

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with mechanism on either side of the supporting construction (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- More info on larger floor openings. See CU-LT Fire Damper Installation manual.
- Fire batt sealing does not have structural integrity and will not carry any additional weight of persons or materials other than our fire damper.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent 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 rigid horizontal supporting construction
Installation detail with fire batt.

CLASSIFICATION

EI 60/90 (ho i↔o)S



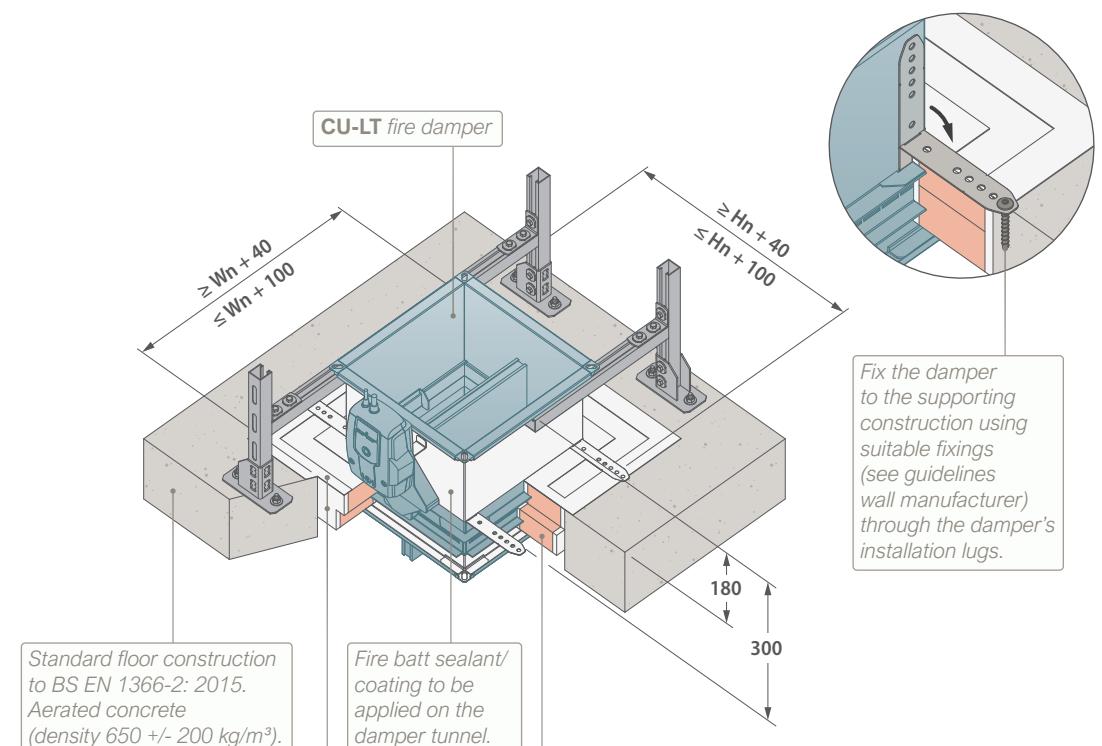
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Rf-Technologies

CU-LT FIRE DAMPER



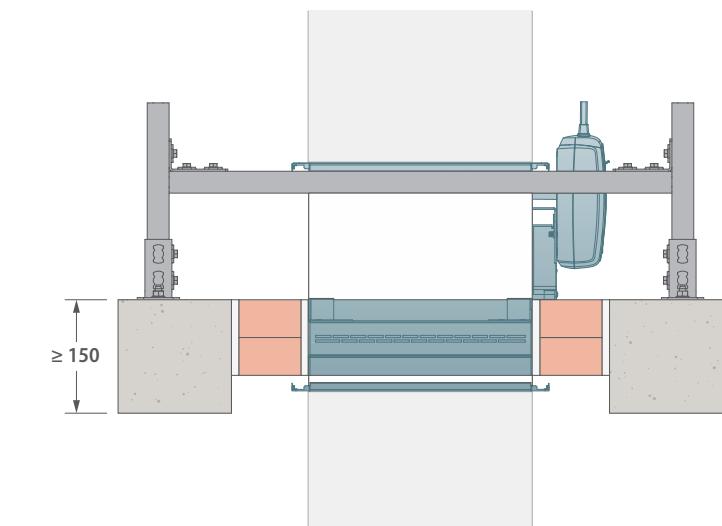
Standard floor construction to BS EN 1366-2: 2015. Aerated concrete (density 650 +/- 200 kg/m³).

Fire batt sealant/coating to be applied on the damper tunnel.

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

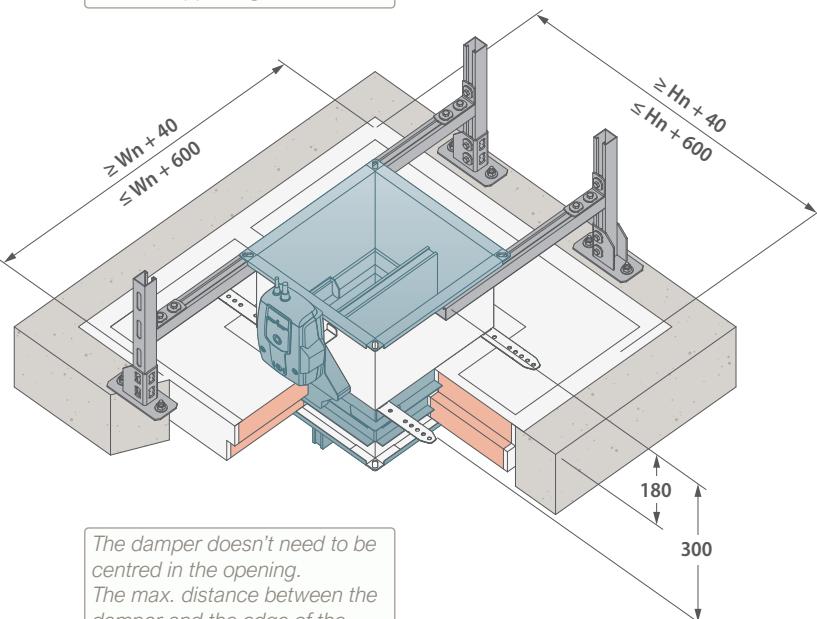
Fire batt, 2 layers of 50 mm thick, $\geq 140 \text{ kg/m}^3$. The joints of these 2 layers must be installed staggered ($\geq 20\text{mm}$). For ex.: Promat, Hilti

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



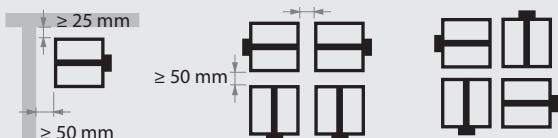
Suspension of the fire damper acc. to DW145 guidelines. The suspension system as shown in this detail may be replaced by an alternative system. Dimension suspension system acc. to weight and required fire resistance. Suspension is not required for CE certification.

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.



TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with mechanism on either side of the supporting construction (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- More info on larger floor openings. See CU-LT Fire Damper Installation manual.
- Fire batt sealing does not have structural integrity and will not carry any additional weight of persons or materials other than our fire damper.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent 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 rigid horizontal supporting construction
Installation detail with fire batt and coating on the damper tunnel.

CLASSIFICATION

EI 120 (ho i↔o)S

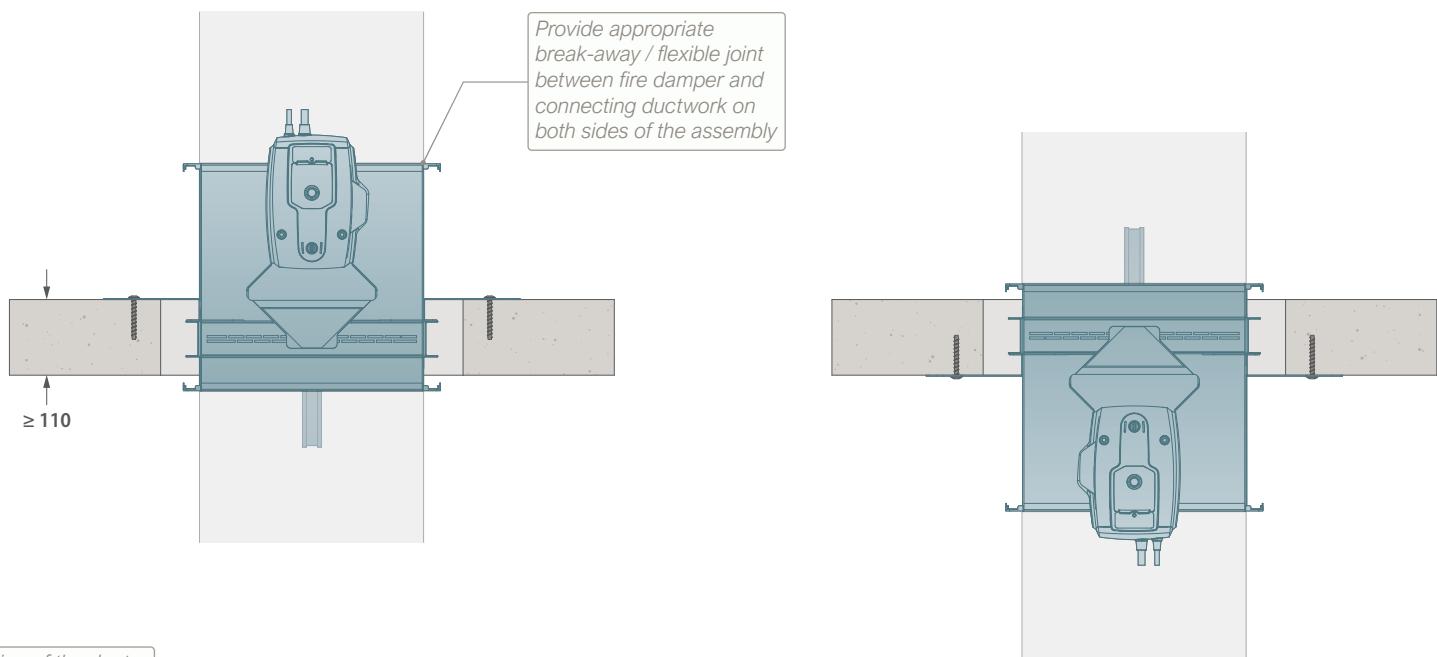
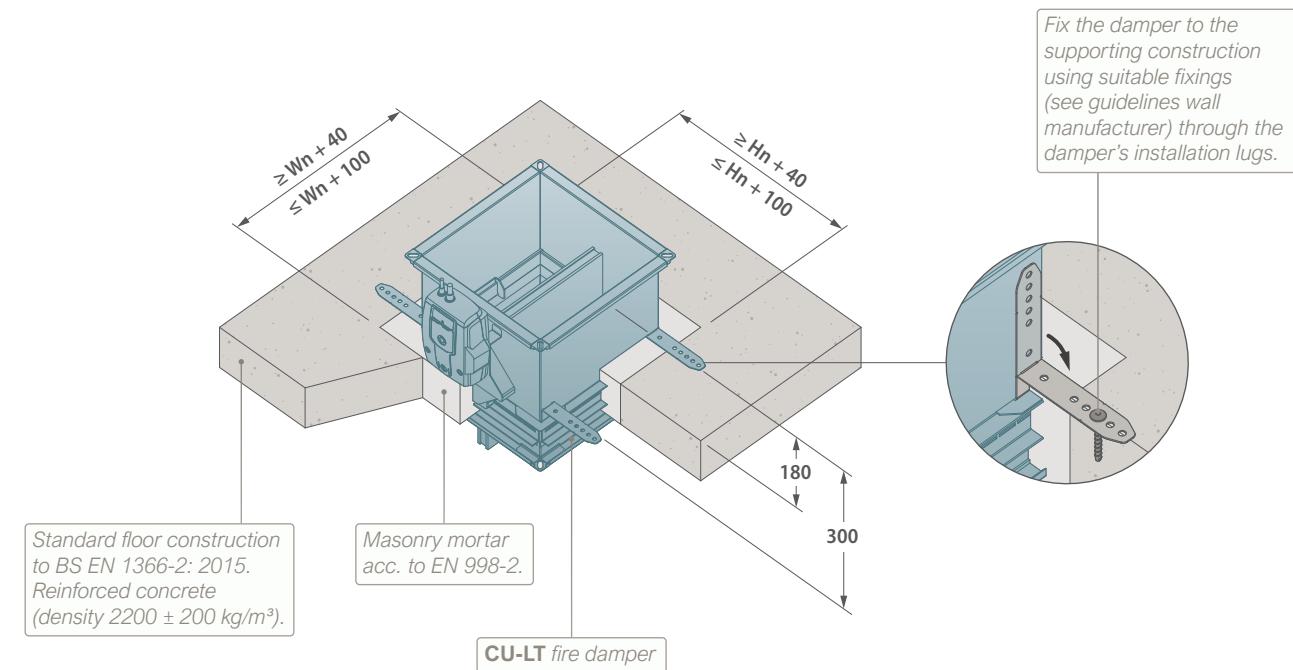


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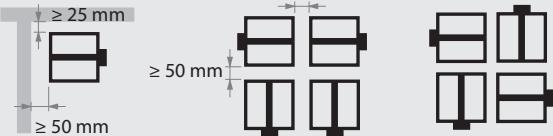
CU-LT FIRE DAMPER



To facilitate the connection of the duct, the CU-LT damper is also available with an elongated tunnel (option L500).

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with mechanism on either side of the supporting construction (independent of fire side).
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent 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 rigid horizontal supporting construction.
Installation detail with mortar.

CLASSIFICATION

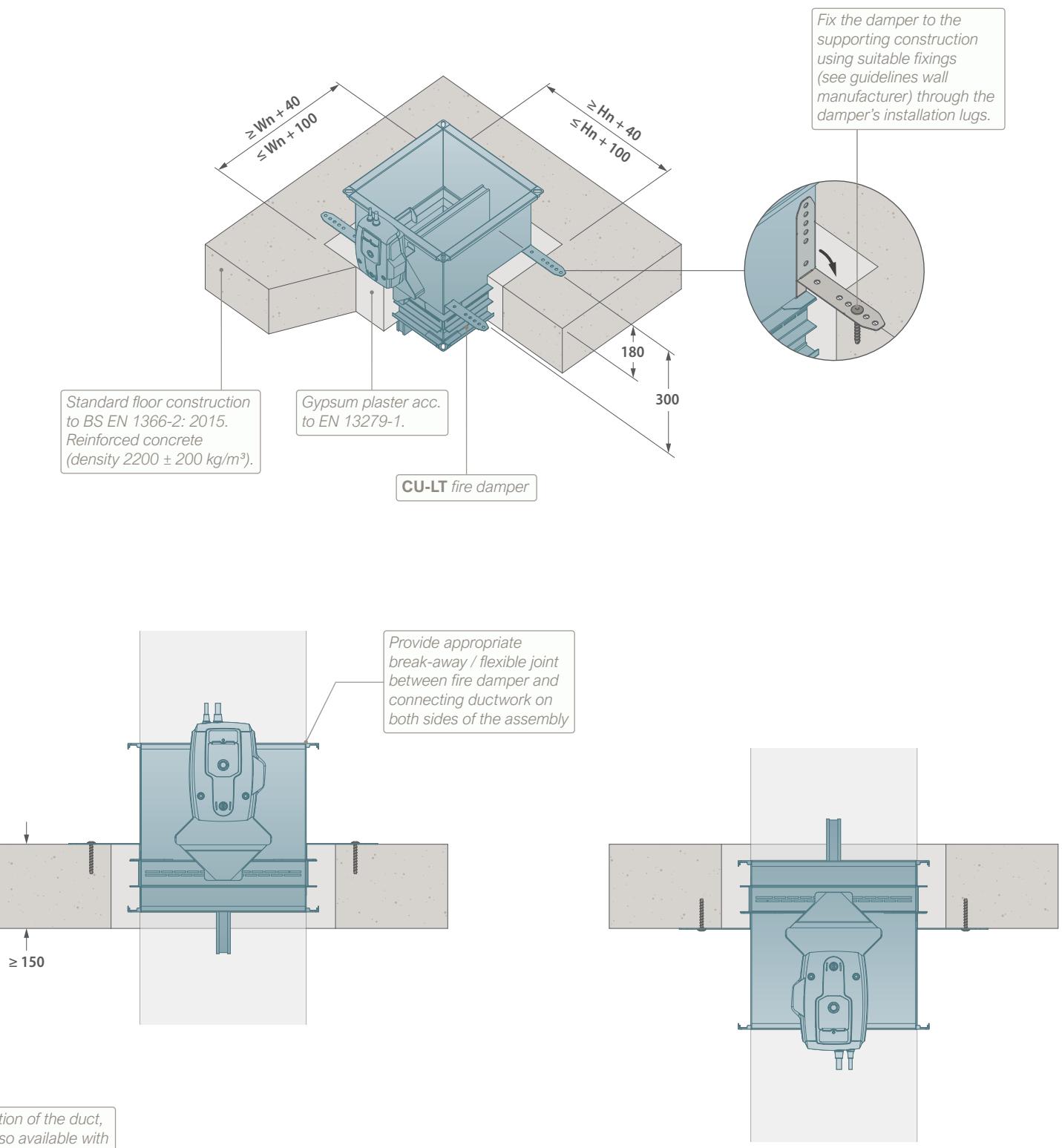
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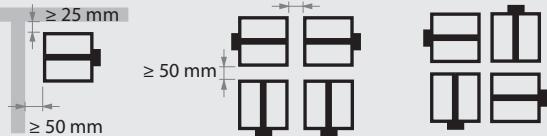
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TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with mechanism on either side of the supporting construction (independent of fire side).
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent 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 rigid horizontal supporting construction.
Installation detail with gypsum plaster.

CLASSIFICATION

EI 120 (ho i↔o)S



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