CR120 FIRE DAMPER Supporting construction (slab or other) Stone wool $\geq 40 \text{ kg/m}^3$ (optional) Fire batt, 2 layers of 50mm thick, $\geq 140 \text{ kg/m}^3$. The joints of steel stud ≥ 50 mm these 2 lavers must be installed staggered (≥ 20mm). For ex: Promat, Hilti. Dn + 100 Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs. CR120 fire damper Fire batt sealant/coating to be applied on all cut edges and joints both sides of the penetration seal. 50n+100 2x 12,5mm gypsum boards type F both sides. ≥100 If 2 dampers close to each other: If distance from damper tunnel to damper tunnel ≥ 30 and < 200 mm and if distance from damper tunnels to horizontal supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m³) between fire dampers and horizontal supporting construction over a total depth 400 of 400 mm. Not required to coat the fire batt nor use coated fire batt. 150 ≥30 ≥30 ≥30 If 1 single damper: apply 2 layers of fire batt as shown above. If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

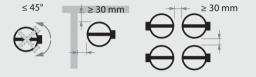
TECHNICAL FEATURES

- Damper range: ø100 till 315.
- Damper can be installed with blade in any position.



360°

- 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/
- For larger wall openings. See CR120 Fire Damper Technical Datasheet.
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°. See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- · Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR120 fire damper in flexible supporting construction. Installation detail with fire batt.

CLASSIFICATION

El 90 (ve i←→o)S



REV DATE

07/11/2023

Rf-Technologies

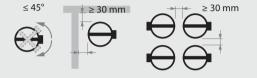
CR120 FIRE DAMPER Supporting construction (slab or other) Stone wool $\geq 40 \text{ kg/m}^3$ (optional) Fire batt, 2 layers of 50mm thick, $\geq 140 \text{ kg/m}^3$. The joints of steel stud ≥ 50 mm these 2 lavers must be installed staggered (≥ 20mm). For ex: Promat, Hilti. Dn + 100 Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs. CR120 fire damper Fire batt sealant/coating to be applied on all cut edges and joints both sides of the Fire batt sealant/coating penetration seal. to be applied on the 5Dn + 100 damper tunnel. 2x 12,5mm gypsum boards type F both sides. ≥100 If 2 dampers close to each other: If distance from damper tunnel to damper tunnel ≥ 30 and < 200 mm and if distance from damper tunnels to horizontal supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m³) between fire dampers and horizontal supporting construction over a total depth 400 of 400 mm. Not required to coat the fire batt nor use coated fire batt. 150 ≥30 ≥30 ≥30 If 1 single damper: apply 2 layers of fire batt as shown above. If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- Damper can be installed with blade in any position.
- 0

360°

- 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
- For larger wall openings. See CR120 Fire Damper Technical Datasheet.
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°.
 See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- · Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR120 fire damper in flexible supporting construction. Installation detail with fire batt and coating on the damper tunnel.

CLASSIFICATION

El 120 (ve i←→o)S



REV

DATE

07/11/2023



CR120 FIRE DAMPER Supporting construction (slab or other) Stone wool $\geq 40 \text{ kg/m}^3$ (optional) steel stud ≥ 50 mm Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the CR120 fire damper damper's installation lugs. Gypsum based plaster acc. to EN 13279-1 2x 12,5mm gypsum boards type F both sides. ≥100 If 2 dampers close to each other: If distance from damper tunnel to damper tunnel ≥ 30 and < 200 mm and if distance from damper tunnels to horizontal supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m³) between fire dampers and horizontal supporting construction over a total depth 400 of 400 mm. Not required to coat the fire batt nor use coated fire batt. 150 ≥30 ≥30 ≥30 ≥30 If 1 single damper: apply gypsum based plaster as shown above. If not possible to fix the lug to the vertical supporting construction above

the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

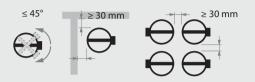
TECHNICAL FEATURES

- Damper range: ø100 till 315.
- Damper can be installed with blade in any position.



360°

- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°.
 See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet
- Guidelines acc. to DW144/145 (not required for CE):
 - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- · Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR120 fire damper in flexible supporting construction. Installation detail with gypsum based plaster.

CLASSIFICATION

07/11/2023

El 90 (ve i←→o)S



REV DATE

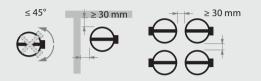
Rf-t

Rf-Technologies

CR120 FIRE DAMPER Fix the damper to the supporting construction using suitable fixings (see Supporting construction (slab or other) Stone wool $\geq 40 \text{ kg/m}^3$ (optional) guidelines wall manufacturer) through the damper's installation lugs. Installation also allowed with rectangular wall opening. steel stud ≥ 50 mm ≤ Dn + 100 CR120 fire damper Masonry mortar acc. to EN 998-2 2x 12,5mm gypsum boards type F both sides. ≥100 If 2 dampers close to each other: If distance from damper tunnel to damper tunnel ≥ 30 and < 200 mm and if distance from damper tunnels to horizontal supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m³) between fire dampers and horizontal supporting construction over a total depth 400 of 400 mm. Not required to coat the fire batt nor use coated fire batt. 150 ≥30 ≥30 ≥30 ≥30 If 1 single damper: apply masonry mortar as shown above. If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- Damper can be installed with blade in any position.
- 360°
- Damper can be installed with blade in any position.
- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°.
 See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet
- Guidelines acc. to DW144/145 (not required for CE):
 - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET

INSPECTION AND HANDOVER CHECK LIST





PLAN TITLE

CR120 fire damper in flexible supporting construction. Installation detail with mortar.

CLASSIFICATION

El 120 (ve i←→o)S

UK C€

REV

DATE

07/11/2023



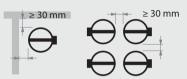
CR120 FIRE DAMPER Stone wool $\geq 40 \text{ kg/m}^3$ (optional) Fire batt sealant/coating to be applied on all cut edges and joints both sides of the penetration seal Fire batt, 2 layers of 50mm thick, $\geq 140 \text{ kg/m}^3$. The joints of these 2 layers must be installed staggered ($\geq 20mm$). For ex: Promat, Hilti. Steel stud ≥ 50 mm CR120 fire damper 2x 12,5mm gypsum boards type F both sides. Ventilation duct and fire batt insulation to be supported by unistrut from min. M8 drop rods, washers and nuts from horizontal supporting construction above. ≤ 1500 ≤ 1000 Universal screw and washer $\emptyset 5x90 + M6x44, 9pc/m^2$ Fire batt sealant/coating to be Universal screw and washer $\emptyset 5x120 + M6x44$, $9pc/m^2$ applied on all cut edges, joints, screws and washers. Fire batt, 2 layers of 50mm thick, \geq 140 kg/m³ to be installed Dimension suspension system along the ventilation duct. Apply fire batt sealant/coating acc. to weight and required fire on the inner side of the fire batt and fixate using universal ≥100 resistance. screws and washers Ø5x90/120 + M6x44, 9pc/m².

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- 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).
- Please consult with the fire batt manufacturer for appropriate sealant/ coating.
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Install with damper blade in horizontal position.
 See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- · Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR120 fire damper remote from a flexible supporting construction Installation detail with fire batt.

CLASSIFICATION

El 90 (ve i←→o)S



REV DATE

07/11/2023

