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0160 CE Series Smoke Fire Damper

0160-02 Concrete floor AFS (2 hour E120)

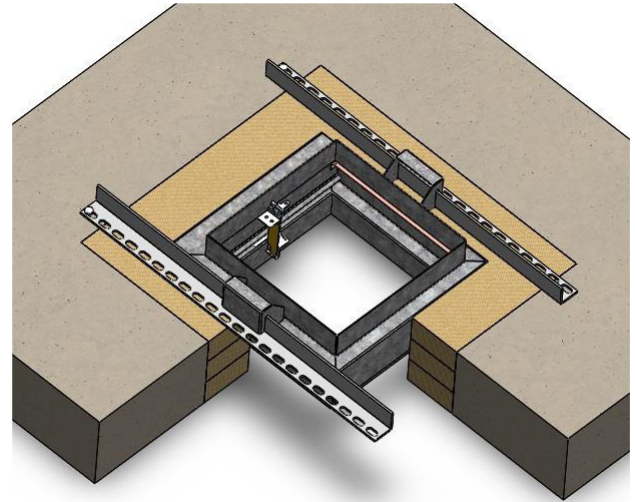
Available as single section installation only

Pre Installation Notes

1. Ensure that the damper is kept in a clean dry environment and that there is no damage to the damper.
2. Remove all packaging and transit ties before installation.

Installation Procedure

1. The opening in the floor slab must be cleaned, free of dust and any other contaminants which could impair the acrylic sealant. A clearance gap 25mm (min) to 100mm (max) must be maintained around the expansion frame of the fire damper (barrier contractor).
2. The damper shall be mounted so that the access side of the damper is flush with the surface of the floor slab. It shall be fixed using AFS angle slotted rail (40x40x4mm) which is bolted tight to the floor slab using M8 (minimum) steel anchors to support the weight of the damper.
3. The gap between the damper and the floor slab will need filling in with 3 layers (minimum) of 140kg/m³ 50mm thick Firebatt (with an intumescent coating) cut to interference fit and pushed into place.
4. Where required Firebatt support brackets (not supplied with damper) are used to support the Firebatt at 400mm (maximum) spacing. These are pushed between the Firebatt and the opening from beneath, then folded over at the top onto the slab to prevent Firebatt dropping down in a fire situation.
5. All joints and gaps shall be sealed using an intumescent Acrylic Sealant.
6. The ductwork connecting to the damper spigots must overlap by 40mm, leaving a 10mm clearance for any duct expansion during a fire situation.
7. All ductwork connections must be sealed with an approved ductwork sealer, and fixed with low resistance fixings such as: aluminium rivets or nylon bolts.
8. All connecting ductwork must be independently supported within 1 meter of the connections.
9. An access cover should be fitted on the appropriate side of the barrier to enable inspections and maintenance work.



Maintenance Procedure

- These dampers are installed as a life-safe product and will require regular physical and visual examinations. It is essential that the assembly is kept in a clean, dust free condition at all times.
- It is essential that an access door has been provided in the adjacent ductwork to facilitate the inspection and maintenance.
- Ensure that no physical restriction of the blades has occurred during the installation process.
- Remove any dirt or debris built up in the damper, apply a little WD lubricant or light oil, any excessive oils should be wiped away.
- Check the operation of any ancillary products that may be fitted.
- Examine the fusible link to ensure that no corrosion has occurred and that the plates are free from distortion and are in good condition to operate when required.
- Close the blade pack by manual operation and examine the blades to ensure;
 - They are in the fully closed position and have located in the ramps.
 - They are all position in the frame correctly i.e. square to the frame.
 - They are all in a clean condition.
- The period between maintenance checks can best be ascertained by system conditions or as directed by local regulations for ventilation plant and ancillaries, but should not exceed a maximum interval in excess of twelve months.
- The report should be completed following the Maintenance Procedure included within this document.