



Application

Flamgard Calidair Fire Dampers are installed into ventilation systems to prevent the passage of fire and/or smoke at the point the ductwork penetrates a fire division within an installation. Fitted to ventilation duct penetrations of fire rated divisions, a Flamgard fire damper will protect adjacent spaces from the transfer of fire and smoke ingress via the ductwork system. The fire damper is installed to maintain the integrity of the division at the point of penetration and should have the same fire rating as the division. Fire Dampers can be supplied for building into steel decks or bulkheads, or for setting into masonry, walls and floors. Available in light or heavy duty, they can be controlled by a range of control units, which can be supplied pre-insulated.

Certifications

- Certified IMO Annex FTP 1, Part 3 certified by Lloyds Register of Shipping, DNV, ABS & BV.
- Type tested/approved and compliant to EN1366-2 Fire Resistant to E (Integrity) S (Smoke) and I (Insulation) from 30 to 120 minutes. (Patents Pending).
- BS 15650 accredited.
- Type tested/Approved BS476.
- Type tested/approved GOST R 55301-2009. (Patents Pending).Å
- NORSOK case and blade leakage compliant.
- Case and Blade leakage compliant to EN 1751.
- Independent SIL2 Certified.
- ATEX Compliant.
- ISO 9001-2008 accredited.
- Independent BISRIA Pressure drop tested.
- Independent SRL Noise Tested.
- Independent Seismic and Blast tested.



Structure and Dimensions

Individual units are supplied in sizes up to 3100mm square, with multiple units assembled together in a matrix to cover larger areas as required. Circular dampers are available in sizes up to 500mm diam, and are suitable for systems where space is restricted.

Standard units are constructed in 304 or 316 stainless steel, however it is possible to manufacture in mild steel, galvanised steel or other materials as required.

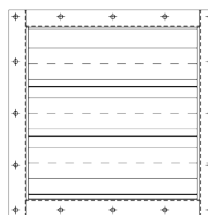
Note:

Larger dampers can be constructed by joining multiple assemblies together.

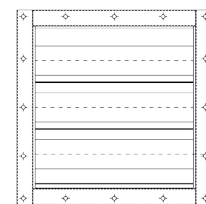
An approved fire-resistant sealant should be inserted between the damper and duct to ensure a good seal.

Each section shall have a drive spindle which can be linked together externally or driven independently.

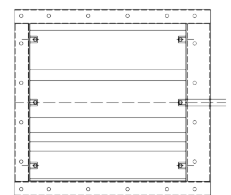
Range



CFD-01 - Smoke and Fire Damper



CFD-02 - Medium Duty Fire and Smoke Damper



FD-02 - Plate Blade Fire Damper