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FIRE DAMPERS



GRILLES & DIFFUSERS
 EXTRACT
 SUPPLY
 TRANSFER
 LOUVRE FACE
 DIFFUSER
 CURVED BLADE
 DIFFUSER



GENERAL DAMPERS
 PRESSURE CONTROL
 PRESSURE RELIEF
 NON RETURN
 VOLUME CONTROL
 SHUT OFF
 ISOLATION
 INLET VANE



CONTROLS
 ACTUATORS
 VALVES
 SOLENOIDS
 AIR MONITORS



Our fire dampers are designed to meet the very highest safety requirements and are accordingly approved by:

Lloyds Register of Shipping
 Det Norske Veritas (D.N.V.)
 American Bureau of Shipping (ABS) A Class & H Class
 Bureau Veritas (BV) A Class & H Class
 Canadian Coast Guard
 GOST R 53301-2009
 BS EN 1366:2
 BS476 4hrs

Fitted to ventilation duct penetrations of fire and blast rated divisions, our fire damper will protect adjacent spaces from the transfer of fire, explosive blast, or smoke ingress via the ductwork system.

Fire dampers are supplied uninsulated for AO / HO use. The application of insulation of common type and standard to the final site assembly of damper, ductwork and fire division is generally an underwriter's requirement to maintain the divisional fire rating e.g. A60; H60; H120. Insulation types, method of fixing and extent of application must conform to their respective standards / approval, details of which are practised by Insulation Contractors or available from the Underwriter.





FANS
MIXED FLOW
AXIAL
BIFURCATED
CENTRIFUGAL



INGRESS PROTECTION
WEATHER LOUVRES
WEATHER DOORS
HIGH EFFICIENCY
LOUVRES

The damper flange gasket material we recommend is a wire reinforced ceramic ladder webbing product of nominal flange width.

Each fire damper is supplied with a drive / control mechanism. Minimally this will comprise a manual operator to open the damper and latch in that position, to be fail safe spring return closed by the action of the frangible trigger device fitted to sense duct airflow warning temperature of $68^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

Alternatively, a fully automatic control system can be provided which utilises electrical, pneumatic, hydraulic power supplies, or a combination of these, to suit individual customer's damper control requirements. Components will be selected from the product range or chosen from proprietary items of proven performance. Controls of customer specification can also be incorporated.

SIZE RANGE

150 mm x 150 mm to 3100 mm x 3100 mm
1 mm increments of duct width and height.

Dampers larger than 2100 mm x 2000 mm comprise an assembly of dampers with individual control boxes arranged to operate simultaneously from a single "hook – up" connection.

CONSTRUCTION

Non corrosive stainless steel grade 304 or 316 (galvanised M. S./304 or 316 combinations upon request).

Casing and blades: 3.0 mm sheet material
Blade shafts: 25 mm dia.
Bearings: Zeron 100
Side seal strips: 0.33 mm (29 s.w.g.) material
Control box 2.0 mm sheet material

DESIGN FEATURES

All Dampers:-

Replaceable bearings.
Opposed action multiblade design (above 320 mm duct height).
Removable blades / replaceable side seals.
Single thickness plate blade.
Interlocking blade meshing seal.
Stub type blade shafts.
300 mm duct insertion length.
Hydrocarbon fire rated.

OPTIONS

- Drilled or undrilled flanges.
- Flange bolt and gasket sets.
- Circular duct adaptors.

