

## Fire & Smoke Products



- **FSD-TD Series** Fire & Smoke Dampers €€
- **FSD-C Series** Circular Single Blade Fire, Smoke and Volume Control Dampers €€
- **FD Series** Fire Dampers €€
- **FD-C Series** Circular Single Blade Fire and Volume Control Dampers €€
- **Control Panels** Electro Mechanical and Fully Addressable Damper Control Systems

MANUFACTURERS OF AIR, FIRE AND SMOKE CONTROL PRODUCTS



## FSD-TD Series

### Fire & Smoke Dampers



#### Information

The FSD-TD Series fire damper is engineered for use in heating, ventilation and air-conditioning (HVAC) systems at fire boundaries to maintain compartmentation and protect means of escape in case of fire. They also have the advantage of having reduced smoke leakage characteristics.

The FSD-TD, when used in HVAC ductwork systems, fulfils the regulations in the form of Approved Document B (ADB) to protect both escape routes and areas with sleeping risk, as well as standard compartmentation.



#### Testing & Conformities

- CE marked complying with the requirements of BS EN 15650. Tested to EN1366-2
- ES Classification (BS EN 1366-2/BS EN 13501-3)
- Corrosion testing (ASTM B117)
- FSD-TD Blade leakage to Class 2 (BS EN 1751)
- Casing leakage to Class C (BS EN 1751)
- Aerodynamic testing (BS EN 1751)

#### Features

- Standard construction is a fully welded galvanised spigot steel case DX 51D Z275.
- Stainless steel case options available
- Galvanised blade as standard DX 52D Z275
- Options of Ferritic (430) type 1.4016 or Austenitic (316) 1.4401 grade stainless steel blades available with folded safe-edges.
- Blade linkage and motor connecting drives removed from airstream.
- Available in a variety of tested applications for vertical or horizontal mounting applications.
- Test switch integral to the thermal fuse allowing the damper to be tested locally and individually.
- LED indication that power is available to the actuator and the thermal fuse is intact.

#### Sizes

Sizing capability from 100mm to 1000mm in either width or height and from 100mm diameter to 1000mm diameter.

## FSD-C Series

### Single Blade Externally Resettable Combination Fire, Smoke & Volume Control Dampers



#### Information

The FSD-C Series Fire/Smoke Damper has been engineered specifically for installations where space is a premium.

The FSD-C Motorised Failsafe Single Blade Fire/Smoke Damper has adjustable blade position facility to additionally allow for volume control air balance setting.

The FSD-C damper has a unique tested galvanised blade construction and installation plate for attaching to surface of wall or floor.



#### Testing & Conformities

- CE marked complying with the requirements of BS EN 15650. Tested to EN1366-2
- ES Classification (BS EN 1366-2/BS EN 13501-3)
- FSD-C Blade leakage achieving Class 3 at elevated temperatures (BS EN 1751)
- Casing leakage to Class C (BS EN 1751)

#### Features

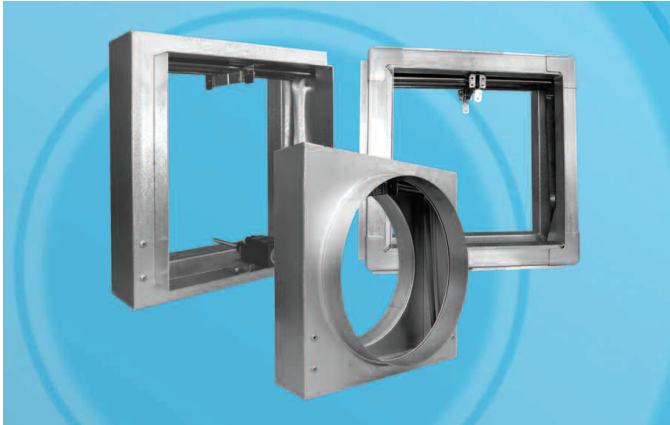
- Standard construction is a stitch welded galvanised spigot steel case DX 51D Z275
- Galvanised blade as standard DX 52D Z275
- 430 Grade stainless steel blade option available
- Available in a variety of tested applications for vertical or horizontal mounting applications
- Unique blade construction
- Integrated volume control capability.
- Test switch integral to the thermal fuse allowing the damper to be tested locally and individually
- LED indication that power is available to the actuator and the thermal fuse is intact

#### Sizes

Sizing capability from 100mm to 315mm diameter to suit standard duct sizes.

## FD Series

### Fire Dampers



#### Information

The FD Series Steel Curtain Fire Damper is engineered for use in heating, ventilation and air-conditioning (HVAC) systems at fire boundaries to maintain compartmentation.

The product range has many features and options to meet the requirements of specifiers, contractors, local and national authorities. Dampers are available to suit both low/medium and high velocity applications.



#### Testing & Conformities

- CE marked complying with the requirements of BS EN 15650.
- E Classification (BS EN 1366-2/BS EN 13501-3)
- E Classification (BS ISO 10294-2)
- Corrosion testing (ASTM B117)
- Casing leakage to Class C, test pressure only (BS EN 1751)

#### Features

- Standard construction is a fully welded galvanised spigot steel case DX 51D Z275
- Galvanised blade as standard DX 51D Z275
- Stainless steel case options available
- Stainless steel blade options available
- All BSB tested installation methods give at least a E120 classification usually only limited by the wall construction used
- Angle Frame, HEVAC frame and cleat methods are available
- Some rarer installation applications are covered by assessment/test information to BS 476-20/22

#### Sizes

Sizing capability from 100mm to 1200mm in either width or height and from 100mm diameter to 1000mm diameter.

## FD-C Series

### Single Blade Externally Resettable Combination Fire and Volume Control Dampers



#### Information

The FD-C Manual Operation Single Blade Fire Damper with volume control facility has been engineered specifically for installations where space is at a premium.

The testing and resetting of the damper and fusible link external of the duct allows for ease of commissioning and maintenance. The installation plate, with its engineered location and installation holes, acts as a template to allow the marking of the fixing positions on the surface structure to which the plate will be affixed, allowing for a quick and efficient install from one side.



#### Testing & Conformities

- CE marked complying with the requirements of BS EN 15650. Tested to EN1366-2.
- ES Classification (BS EN 1366-2/BS EN 13501-3)
- FD-C Blade leakage to Class 2 (BS EN 1751)
- Casing leakage to Class C (BS EN 1751)

#### Features

- Standard construction is a fully stitch welded galvanised spigot steel case DX 51D Z275
- Galvanised blades as standard DX 52D Z275
- 430 Grade stainless steel blade option available
- Available in a variety of tested applications for vertical or horizontal mounting applications
- Unique blade construction
- Integrated volume control capability
- Tested and certified installation variants of the FD-C are available for blockwork, concrete floor and partitions
- All BSB tested installation methods give at least a E90 classification

#### Sizes

Sizing capability from 100mm to 315mm diameter to suit standard duct sizes



**Information**

BSB offer two alternative panels when monitoring and controlling dampers; the Electro Mechanical System and the Fully Addressable System.

Electro mechanical panels are generally used for up to 50 dampers and where hard wiring costs are justified. The control system being hardwired and the fascia being engraved.

**Standard Electro Mechanical Control and Monitoring System**

Provides a straight forward control panel offering the most common features called for as standard.

**Premier Electro Mechanical Control and Monitoring System**

Controls and monitors a number of smoke/fire dampers hard wired individually or in groups, in a single or multiple zone arrangement.

Dampers can be individually or collectively controlled and are continuously monitored.

**Fully Addressable Control and Monitoring System**

Software driven panel simplified installation and commissioning. Utilises data wiring in a loop configuration. Can be configured to suit all types of system. Fully integrated and secure network provides an intelligent interface for building control.

Touch screen options are available allowing system interrogation, touch screen with Graphic CAD based floor plans, mimic style displays and optional BACnet interface complete the range.

**Air Control Products in the BSB Range:**



For full details of the complete BSB Product Range, please refer to our individual product brochures, sales office or website.



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