

Curtain fire dampers type FS

Stainless Steel Bladed Curtain Fire Dampers. Without installation frame type **FS** or with installation frame type **FS-IF**

Application

- Fire compartmentation
- To close and seal off ventilation ducts in case of fire
- Suitable for air conditioning and ventilation systems requiring up to 4 hour fire protection
- Typically for installation into Dry Wall, Stud Partitions, Blockwork, Concrete walls and floors

Material

- Housing in galvanized steel
- Blades and mechanism in stainless steel

Composition

Casing

- The spigotted casing with continuously welded corners and spigot connections, makes these dampers suitable for inclusion into air distribution systems to the test methods of Eurovent Class A, B & C and HVCA Ductwork specification DW144. These galvanised casings are manufactured with either Square, Rectangular, Circular or Flat Oval duct connections

Blades

- The Type 1.4016 (430) Ferritic Stainless Steel folding blade curtain, providing maximum strength, form a fire shield. The wide profile blades maximise the damper free area and ensure compact grouping to minimise blade stacking height. Optional blade construction Type 1.4401 (316) Austenitic Stainless Steel.

Stainless Steel side seal gasketing provides constant pressure on blade edges, minimising the spread of smoke and other products of combustion

Mechanism

- Patented design.
- Made of Polyphenylene sulphide (PPS) resin reinforced with 40% glass (GF-PPS)
- Technically advanced engineering polymer
- PPS is stable at temperatures up to 200 °C
- Cassette construction is of very high strength and has excellent creep and

fatigue resistance

- Low smoke and toxic emissions in fire conditions
- Halogen free
- PPS has a very low moisture absorption
- PPS is corrosion resistant
- The Cassette construction is environmentally friendly (recyclable material)
- The new Cassette is retrofittable to existing Fire/Shield Dampers (by use of a simple optional adaption bracket) Part Number: CANN01981

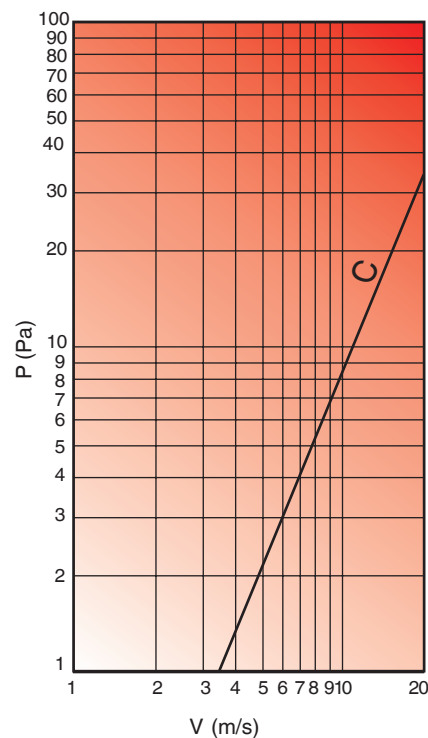
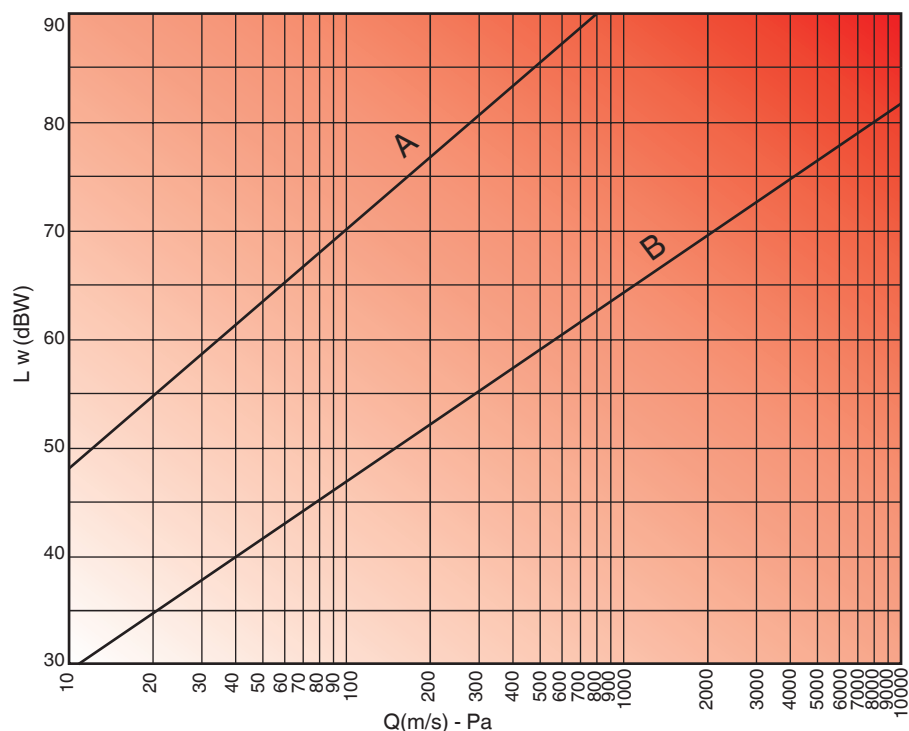
Mounting

- In brick or blockwork walls the tabs shall be bent out and solidly built into the mortar joints between the brick or blockwork
- In the case of reinforced concrete walls and floors, the tabs shall be bent out and tied with wire to the reinforcing bars which will be deliberately left protruding into the opening
- Multiple horizontal or vertical mounting arrangements available

Text for tender

- The fire dampers shall be of the curtain type with galvanized steel casing and steel blades. Fire resistance up to 4 hours and tested to BS ISO 10294-1:1996, BS EN 1366-2: 1999 and BS 476 Part 20: 1987 Fire Test Standards. Tested to BS ISO 10294-1: 1996, BS EN 1366-2: 1999 and BS 476 Part 20: 1987 Fire Test Standards.
- The Dampers shall be fitted with an installation frame
- **ATC type FS-IF**

Acoustic data



Notes

- *A = Series 201 (Outlet)
- *B = Series 201 (Breakout)
- *C = Series 201
- *Acoustic tests carried out in accordance with BRITISH STANDARDS No. 4196, 4773, 4856, 4857 and 4954
- *All dimensions are in mm

