

## Description

The type CFD-C1 Fire and Smoke Damper has been designed to fit into circular ductwork systems where space is restricted. The Damper has been successfully tested in accordance with BS476 and is certified by Lloyds Register of Shipping and DNV for AO, A60 and H120 rated divisions when suitably lagged. To ease installation these dampers can be supplied with pre insulated controls, and are designed to be suitable for mounting in any attitude with the air flow in either direction.

## Specification

### Casing

The damper casing is rolled from 3.0 mm thick sheet steel into a rigid drum, stiffened at either end with angle flange rings to ensure proper alignment of the blade and shaft.

### Duct Sizes

Minimum Ø 150 mm.  
Maximum Ø 500 mm.

### Blade

The blade is cut from 3 mm sheet steel and closes against angle stops welded round the inside of the casing.

### Shaft

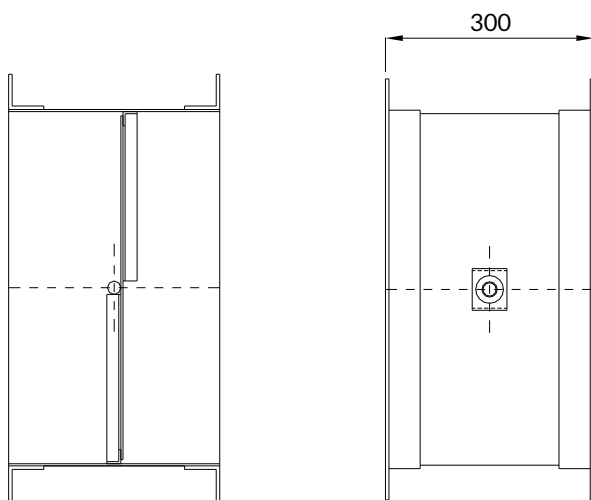
Continuous shaft Ø 19.05 mm plug and stitch welded to the blade.

### Bearings

Phosphor bronze self lubricated 'Oilite' flanged bushes.

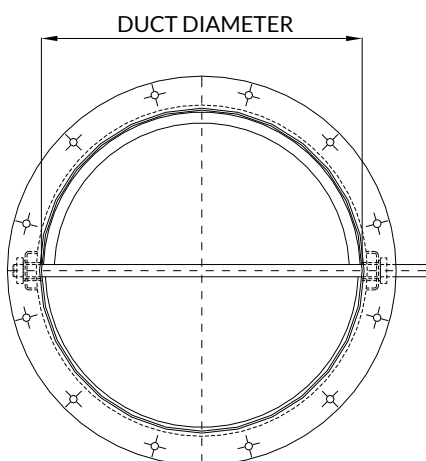
### Operation

Manual Reset Mechanism, Pneumatic Actuator, Electric Actuator, Solenoid Release.



Section

End Elevation



Elevation

## Options

- Materials can be stainless steel, galvanized mild steel or other materials to suit the clients' specific requirements.
- Earth continuity bosses.
- Lifting lugs.
- Integral or removable enclosures for housing control equipment.
- High temperature bearings.
- Shaft seals to provide airtight casings.
- Other variations to suit clients' specific requirements are also available.

# Fire Damper

## CFD-C1

### Installation Notes

The normally accepted method of installing these dampers is via a channel combing welded round the fire division aperture, with the damper bolted to the combing after insertion of a fire retardant gasket.

Where the damper is to be fitted to an insulated fire division (e.g. A60) it will be necessary to insulate the external surfaces of the damper.

