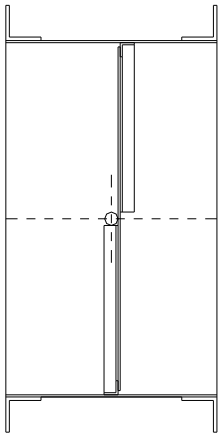
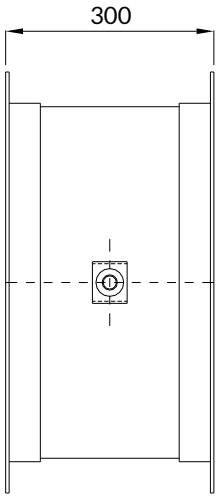
Circular Control Damper
CCD-C1

Description

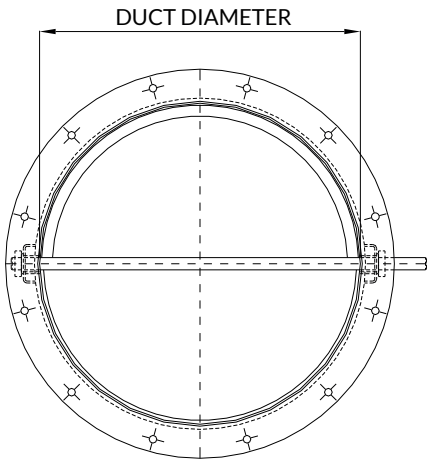
The type CCD-C1 Circular Control Damper has been designed to fit into circular ductwork systems where space is restricted. These versatile dampers are suitable for automatic and manual control and may be used for fan shut-off, fresh air re circulation and many more functions. To ease installation these dampers can be supplied with pre drilled flanges, and are designed to be suitable for mounting in any attitude with the air flow in either direction.



Section



End Elevation



Elevation

Specification

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

Duct Sizes
Minimum Ø 150 mm.
Maximum Ø 1200 mm.

Blade
The blade is cut from 3 mm sheet steel and closes against flat bar 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.

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.

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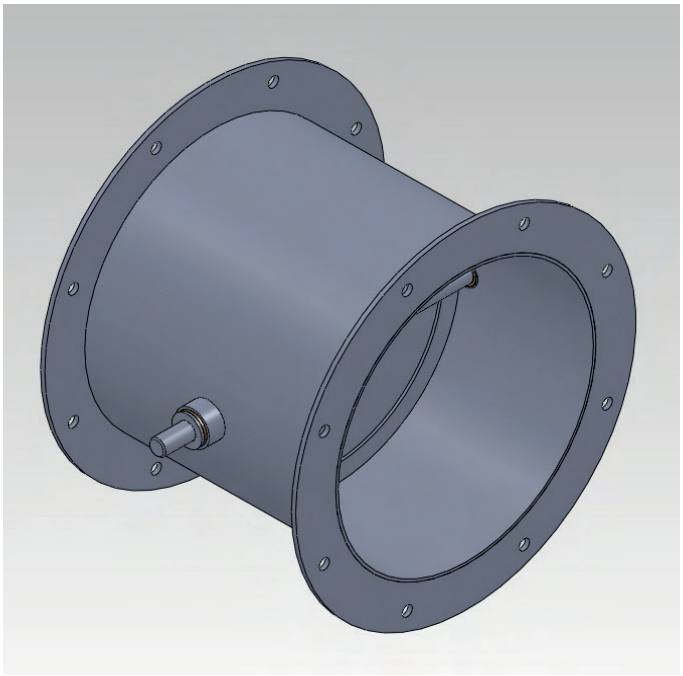
Installation Notes

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 an appropriate gasket.

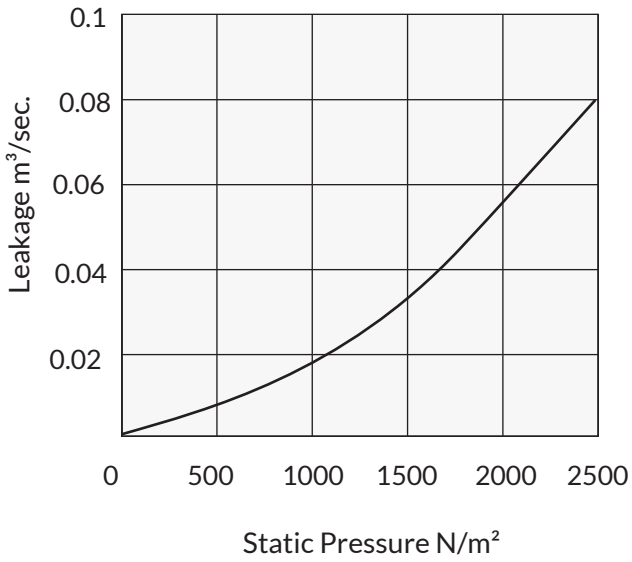


Minimum Diameter:- Ø 150mm

Maximum Diameter:- Ø 1200mm

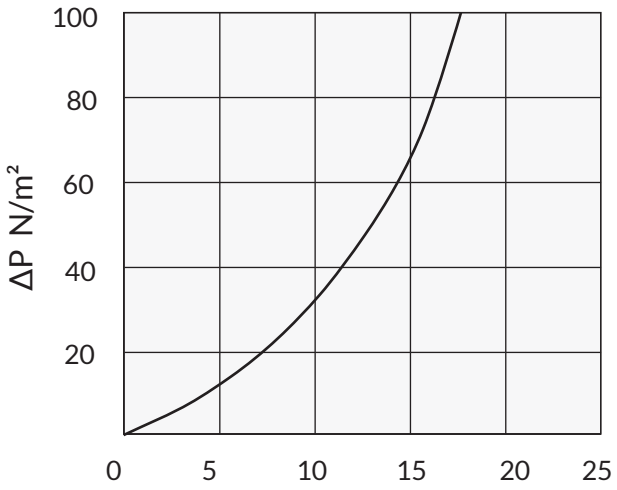
Leakage Characteristic Curve

Tolerance ±15%



Open Pressure Drop Characteristic Curve

Tolerance ±15%



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