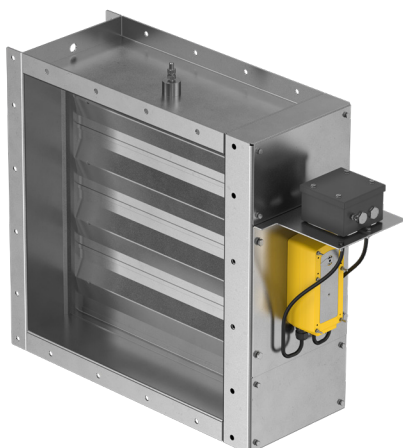


CCD-01 CONTROL DAMPER

For heavy industry ventilation systems



OVERVIEW

The CCD-01 Control Damper is designed to provide reliable airflow control and positive shut off performance under arduous operating conditions. Intended for use in hazardous and industrial environments, its robust construction ensures dependable operation and long service life. Suitable for both manual and automatic operation, it supports a wide range of functions including system balancing, fan shut off and fresh air recirculation. The damper may be installed in any orientation, with airflow in either direction, offering flexibility for a wide range of ductwork configurations.

KEY FEATURES

Casing

The damper casing is formed from 3.0 mm thick sheet steel into a rigid channel section to ensure proper alignment of blades and shafts. The CCD-01 is available as a single unit, maximum size 1275mm x 1800mm, or as a multiple unit assembly, maximum size 3925mm x 3650mm. The insertion length is 300mm. Where circular dampers or dampers with width or height dimensions less than 150 mm are required, additional spigot adaptors are used.

Blades

The blades are a formed double-skin aerofoil section of 1.5 mm sheet metal and operate with an opposed linkage. Blade stops at the top and bottom of the casing and sprung side seals provide excellent low leakage characteristics.

MATERIALS

PART	MATERIAL	FINISHING
Case	Mild steel	Galvanised
Case	Stainless steel 1.4307 (304L) Stainless steel 1.4404 (316L)	-
Blades	Mild steel	Galvanised
Blades	Stainless steel 1.4307 (304L) Stainless steel 1.4404 (316L)	-
Shafts	Stainless steel 1.4307 (304L) Stainless steel 1.4404 (316L)	-
Bearings	Phosphor bronze self-lubricated plain 'Oilite'	-

TECHNICAL SPECIFICATION

- Closed blade leakage Class 3 in accordance with EN 1751:2014 at ambient temperature
- Case leakage Class C in accordance with EN 1751:2014 at ambient temperature
- Minimal pressure drop
- SIL 2 rated in accordance with IEC 61508-2:2010
- Damper certified to ATEX Directive 2014/34/EU. Any fitted actuators, switches, junction boxes or accessories must be separately ATEX-certified for the required hazardous area
- Vertical & horizontal installation
- Electric & pneumatic actuator options
- Hand locking quadrant

INSTALLATION

Dampers are typically provided with integral drilled flanges that allow for bolting to ductwork, structural divisions, wall sleeves and similar. Flanges and drillings can be to Halton standard or customer specification.

Installation and maintenance instructions are provided with each damper delivery.