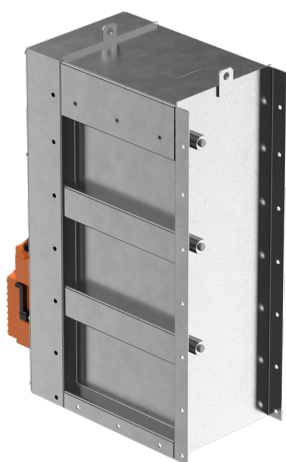


CID-01 ZERO LEAKAGE ISOLATION DAMPER

For heavy industry ventilation systems



MATERIALS

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

OVERVIEW

The CID-01 Isolation Damper is designed to provide reliable tight shut off performance in demanding industrial and nuclear applications where effective duct isolation is required. It enables sections of ductwork to be isolated for filter replacement or inspection without the need to shut down complete systems. Suitable for both manual and automatic operation, the robust construction ensures dependable performance and long service life. The damper may be installed vertically or horizontally, with airflow in one 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 CID-01 is available as a single unit, maximum size 1000mm x 1000mm, or as a multiple unit assembly, maximum size 2100mm x 2150mm. The insertion length is 350mm. Where circular dampers are required, additional spigot adaptors are used.

Blades

The blades are a formed single skin of 3.0 mm sheet steel fitted with a closed cell pad that seals against a frame within the damper casing to provide 100% isolation and operate with a parallel linkage.

TECHNICAL SPECIFICATION

- Zero Leakage
- Pressure tested to 10,000 Pa for 60 minutes.
- Dampers may be installed vertically & horizontally installation and can be duct mounted, floor mounted, roof mounted, or bulkhead mounted depending upon the application
- Oriented to accommodate direction of air flow
- 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
- Dampers can be supplied with either; pneumatic actuator, electric actuator or manual handwheel

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.