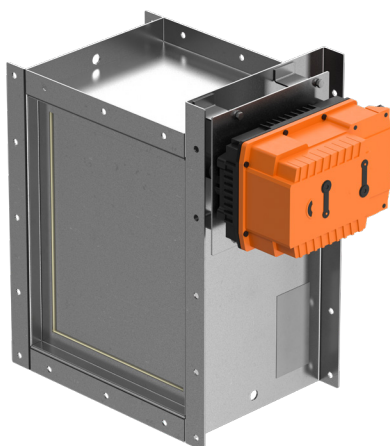


CID-02 SINGLE BLADE ZERO LEAKAGE ISOLATION DAMPER

For heavy industry ventilation systems



OVERVIEW

The CID-02 Single Blade Isolation Damper is designed to provide reliable isolation performance and efficient operation under arduous conditions. It is suitable for applications requiring controlled airflow in one direction. The simple, robust single blade construction ensures dependable performance and long service life, achieving full shut off when airflow assists blade closure. The damper may be installed vertically or horizontally, 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-02 is available as a single unit, maximum size 600mm x 300mm. The insertion length is 350mm. Where circular dampers are required, additional spigot adaptors are used.

Blades

The blades are a formed single skin of 2.0 mm sheet steel and seal with a flame-retardant PVC strip attached to the blades and top and bottom stops.

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'	-

TECHNICAL SPECIFICATION

- Zero Leakage
- Pressure tested to 5,000 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
- 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
- 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.