VEDHA

Expertise to rely on

AIR VOLUME CONTROL DAMPERS

Damper are widely used in heating ventilation and air-conditioning (HVAC) application in order to maintain or control the air volume inside the duct. These dampers facilitate the air flow to each zone and each outlet to be controlled / adjusted. The damper casing is constructed with galvanized steel sheet. Damper blade which is fixed to the operating shaft can be rotated in vertical plane from full open to full close

RECTANGULAR / SQUARE DAMPER

GSS Flap

For square and rectangular VCD's, standard damper construction comes with opposed blade arrangement with external linkage. However, parallel blade arrangement is also available as alternatives. Dampers can operate manually as well as powered by electronic actuators.

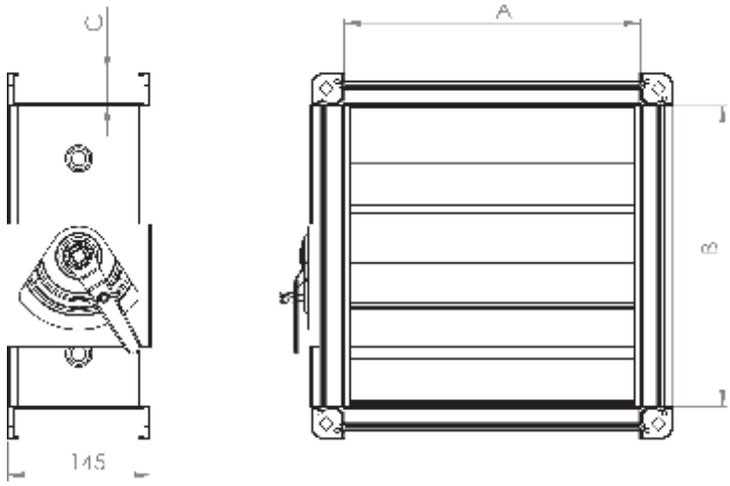
The damper blades are formed in single skin construction with grooved blade edges to provide batter interlockingwhile in closing.

Casing and flaps are manufactured by using 18g / 20 g galvanized steel sheet. Flaps are mounted in nylon bushes operated by an external linkage which allow the damper position to openor close with a minimum air disturbance.

Features

- Outer casing with special designed TDF, Square slot corners (same as Duct flange), for better alignment with duct and low air leakage.
- All the joints are of clinching by using precised hydro pneumatic press and die for Good Joint strength and Aesthetics.
- No welding joint to avoid rust.
- Opposed blade operation for optimum air control.

Dimensional Data



Nomenclature

- A - 150 mm to 2500 mm with multiples of 50 mm.
- B - 150 mm to 1000 mm with multiples of 50 mm.
- C - Flange width 32 mm

RECTANGULAR / SQUARE DAMPER

Aluminium Flap

Aluminium flap VCDs are made with GSS outer frame and aerofoil design extruded aluminium double skin flap.

Standard damper construction comes with opposed blade arrangement with external gear drive. Dampers can operate manually as well As powered by electric actuators as actuators.

The damper blades are formed in double single skin construction with gasket grove on flap edge toprovide leak-proof flap closure.

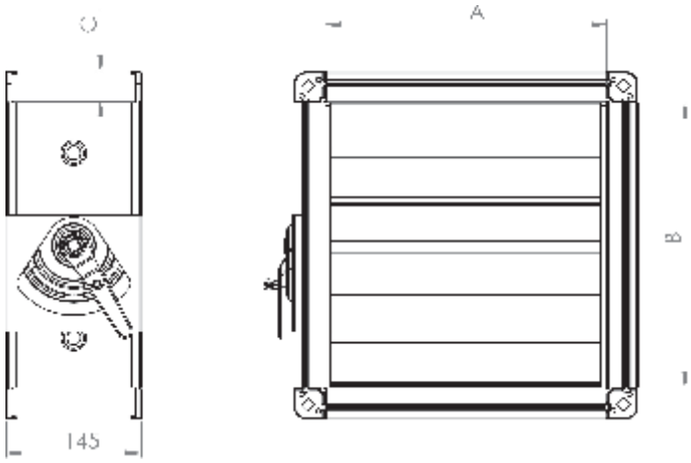
Body fame is manufactured with 18g galvanized steel sheet. Flaps are mounted in nylon bushes operated by an exterior gear drive which allow the damper to be opened and closed with a minimum of air disturbance.

Spring steel gasket is provided between the body frame and flap to minimise the air leakage when the damper flaps are in closed position.

Features

- Aerofoil profile flaps for minimum air resistance.
- Spring steel gasket for very low air leakage.
- Simple and perfect duct connecting flanges.
- Outer casing with special designed TDF, Square slot corners (same as Duct flange), for better alignment with duct and low air leakage.
- All the joints are of clinching by using high presided hydro pneumatic press and die for Good Joint strength and Aesthetics.
- Available e with various customised sizes in square and rectangular.
- No welding joint to avoid rust.
- Opposed blade operation for optimum air control.

Dimensional Data



NOMENCLATURE

A - Ranging from 150 mm to 2500 mm with multiples of 50 mm.
B - Ranging from 150 mm to 1000 mm with multiples of 50 mm.
C - Flange width 32 mm.

CIRCULAR DAMPER (Butterfly Damper)

Circular damper factory made with galvanised steel sheet of 24g, 22g, 20g & 18g

All the joints are of clinching by using high presided hydro pneumatic press and die for Good Joint strength and Aesthetics.

Specially designed Handle with Flap Opening Level Indication.

Embossed Lettering for flap open level indication (open, 1/4, 1/2, 3/4 & close) ensures longevity and good Aesthetics.

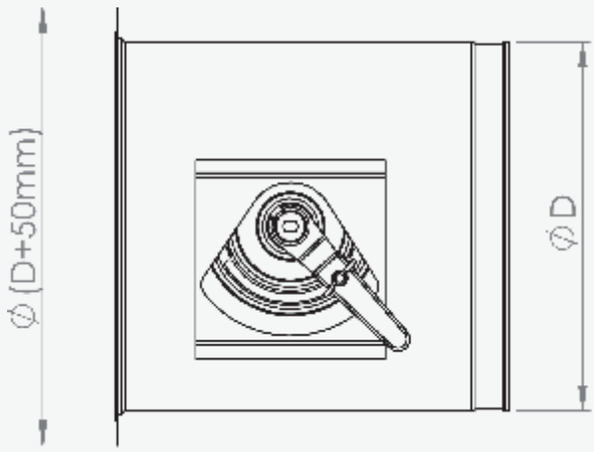
Operating shaft, Handle locking with a standard slot type locking which provides perfect locking and good aesthetics when compared to welded locking and ensures handle position indicates accurate level of opening.

Available with single flap and gear driven double flap.

Features

- Folding at tail edge (flexible duct connecting end) for sturdiness and better strength.
- Double embossing at rear end for better locking of flexible duct with a jubilee clamp.
- No welding joint to avoid rust.

Dimensional Data



Nomenclature
D- Tube diameter, range 100 mm - 500 mm.
Flange outer diameter (D+50 mm).

VEDHA
Expertise to rely on

VEDHA ENTECH INDIA PVT. LTD.
Survey No. 404 - 2, Puttaparthi Road, Kodur village
Chilamathur Mandal, Anantapuramu District, AP, India - 515601
Email: info@vedhaentech.in | **www.vedhaentech.in**