

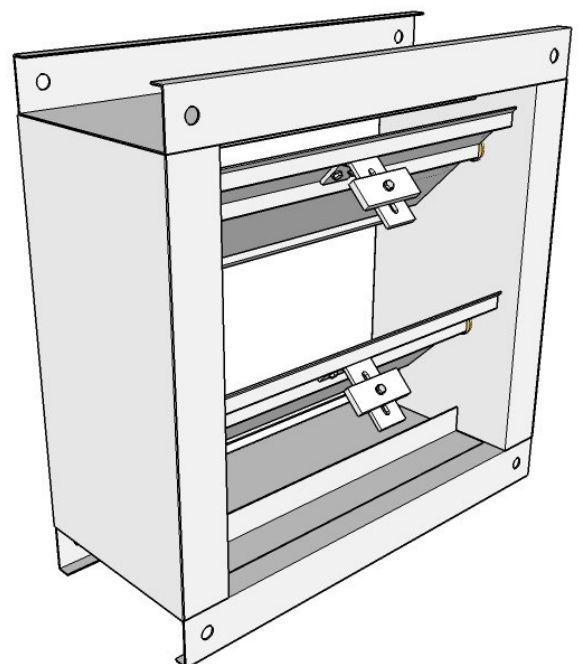
# AirMax



## **Backdraft Damper**

**Pressure Relief**

**Counterbalanced**



## Application

Backdraft dampers are installed in HVAC systems to allow air to flow in one direction only and to prevent unwanted airflow (hot/cold outside air, wind, etc.) from “back-drafting” into the building, plenum or built-up unit in which the dampers are installed. Backdraft dampers are typically gravity operated and open automatically when air flows in the intended direction and close automatically when there is no air pressure or when airflow is in the opposite direction. When it is required that the dampers not rely on the flow of air, an actuator may be installed to open and close the damper.

The BD-3V and BD-3C backdraft damper employs counterbalanced and non counterbalanced gravity operated extruded style blades to restrict reverse airflow and to permit the forward flow of air in the intended direction. The BD-3V and BD-3C damper may be mounted vertically or horizontally in either exhaust or intake installations for medium to high velocity and pressure applications.

**BD-3V: Non Counterbalanced**

**BD-3C : Adjustable Counterbalanced**

## Standard Construction

**Frame :** 152 x 35 mm. galvanized steel hat channel with interlocking corner gusset. Equivalent to 16 gauge channel frame. Low profile head and sill are used on sizes less than 330 mm. high.

**Blades :** 150 mm 16 gauge galvanized steel triple-V. parallel.

**Axles :** 10x10 mm. Square plated steel hex.

**Linkage :** Concealed in frame.

**Bush :** Bronze

**Counterbalances:** On blade - adjustable.

**Minimum Size :** Single section: 152 x 152 mm.

**Maximum Size :** Single section: 1000 x 1000 mm. Multiple sections : Unlimited

## How select the damper :

- System velocity and back pressure
- Pressure to start the blades to open
- Pressure for the blades to be fully open
- Damper mounting orientation
- System airflow direction
- Damper mounting - sleeve or no sleeve

## Option

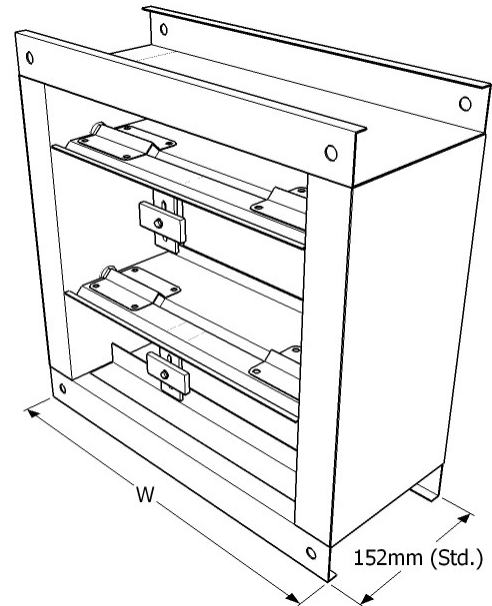
☐ Factory installed sleeve. ☐ Factory installed side plate.

Gauge: ☐ 20 (1.0) ☐ 16 (1.6)

Length: ☐ 250 ☐ 350 ☐ Other \_\_\_\_\_

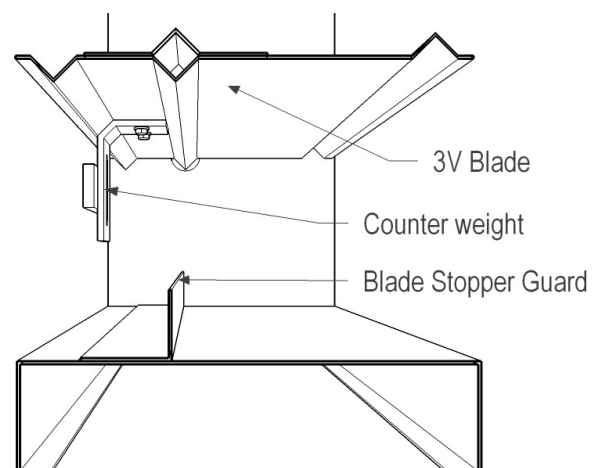
☐ Transitions (sleeve required): ☐ Flanged

☐ Round ☐ Oval



**Model : BD-3V (Non Counterbalanced)**

**Model : BD-3C (Adjustable Counterbalanced)**



**Flanged Frame**

SALE CONTACT

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