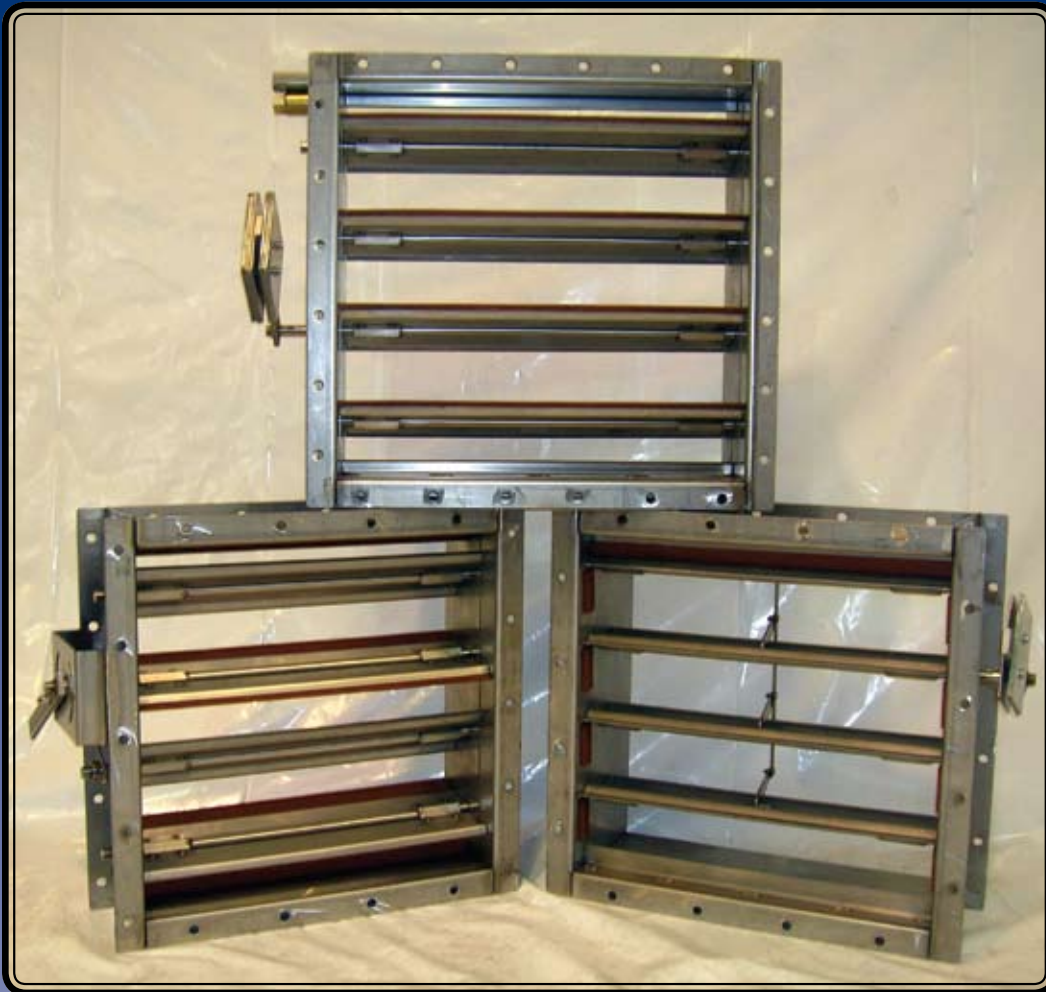


Aeroacoustic Corporation[®]

Est. 1957

HEAVY-DUTY DAMPERS



AVAILABLE MODELS

Volume Control Damper
CO2 Trip Damper
Backdraft Damper

All models certified by independent testing laboratory
in accordance with AMCA standard 500-D-98.

www.aeroacoustic.com



VC

VOLUME CONTROL DAMPER

Opposed blade design with interlocking silicone rubber sponge seals.

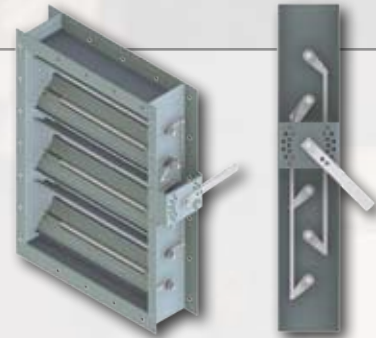
External linkage keeps the airflow free of unnecessary obstructions.

Set-and-lock quadrant ensures desired blade positions are maintained.

Customizable control arm location allows for more installation possibilities.

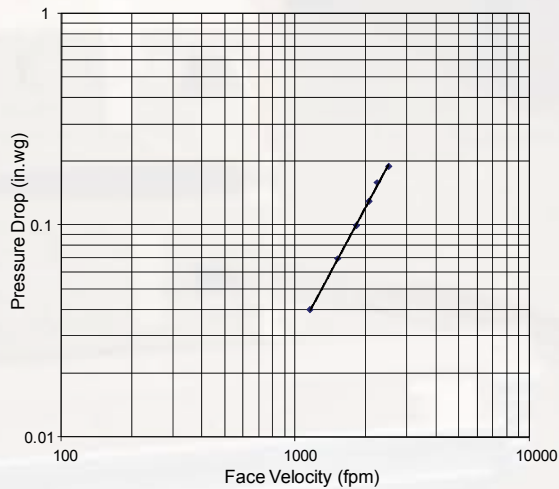
Teflon bearings that require no lubrication support the blade axes.

Certified by independent testing laboratory in accordance with AMCA standard 500-D-98.

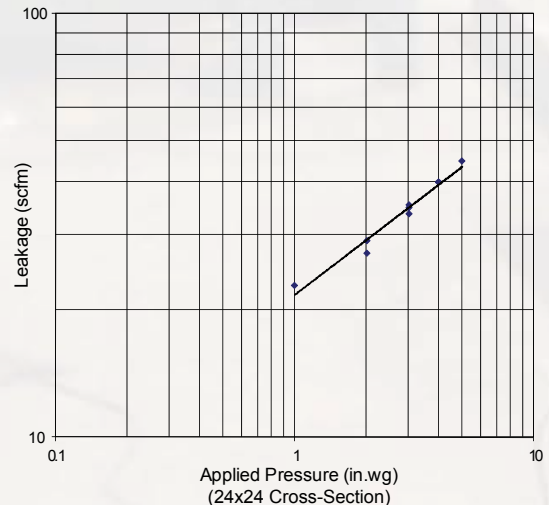


VC TEST DATA

Aeroacoustic Volume Control Damper
Typical Pressure Drop vs Face Velocity



Aeroacoustic Volume Control Damper
Leakage vs Applied Pressure



CO₂ TRIP DAMPER

External linkage keeps the airflow free of unnecessary obstructions.

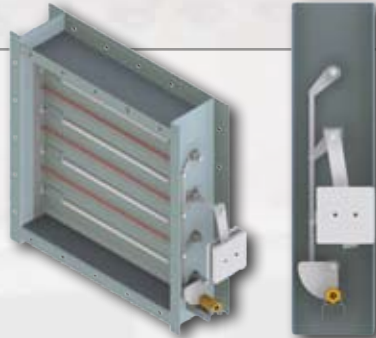
CO₂ pressure trip pin engages a mechanism attached to the external blade linkage to hold damper open during normal operation.

Customizable counterweights for closing damper blades when tripped.

Stainless steel jamb seals maintain a tight fit between the blades and the damper housing frame.

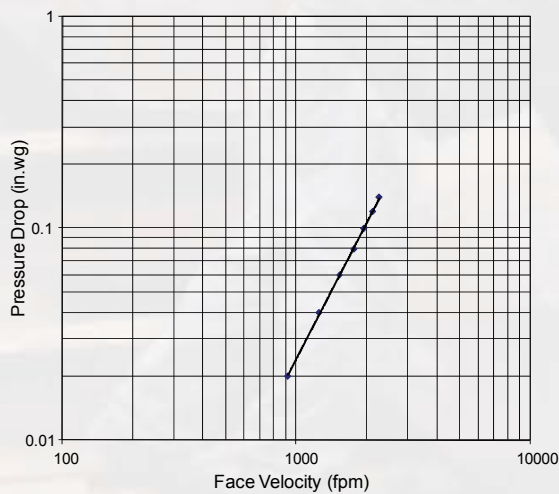
Teflon bearings that require no lubrication support the blade axles.

Certified by independent testing laboratory in accordance with AMCA standard 500-D-98.

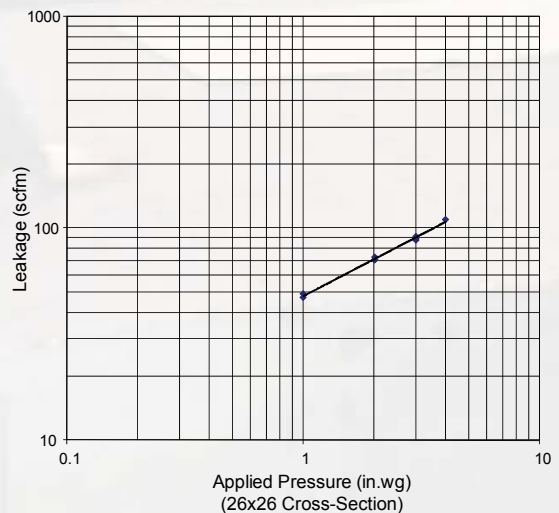


CO₂ TEST DATA

Aeroacoustic CO₂ Containment Damper
Typical Pressure Drop vs Face Velocity



Aeroacoustic CO₂ Containment Damper
Leakage vs Applied Pressure



BD BACKDRAFT DAMPER

Adjustable counterweights close damper when airflow is stopped or reversed. Horizontal or vertical mounting.

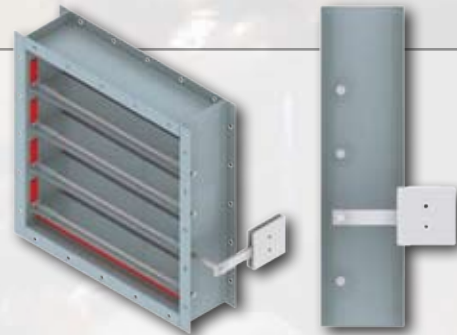
Interconnecting linkage synchronizes the actuation of the damper blades.

Blades seal to both damper housing frame and to each other in the closed position.

Blades and linkage are made to not extend beyond the housing frame when in the open position to assure no contact is made on either side when installed.

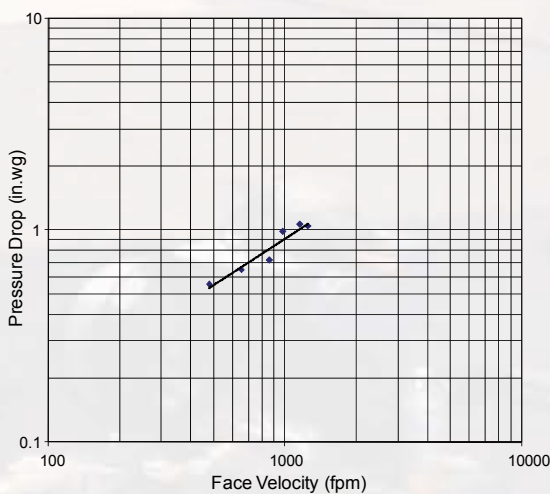
Teflon bearings that require no lubrication support the blade axles.

Certified by independent testing laboratory in accordance with AMCA standard 500-D-98.

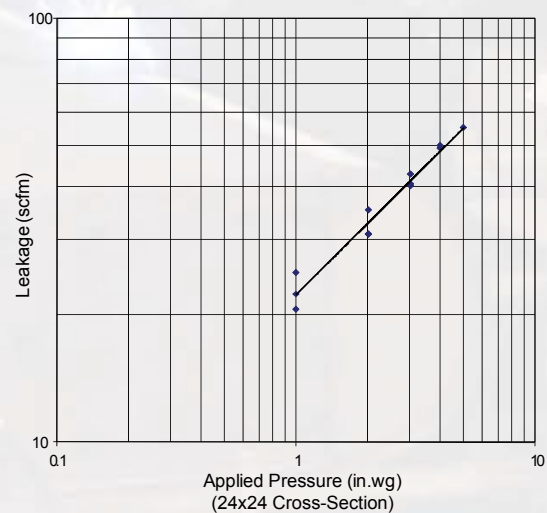


BD TEST DATA

Aeroacoustic Backdraft Damper
Typical Pressure Drop vs Face Velocity



Aeroacoustic Backdraft Damper
Leakage vs Applied Pressure



STANDARD DAMPER CONSTRUCTION

High temp silicone seals (CO2 and BD only)

Formed 10 gauge galvanized frame

Formed 12 gauge galvanized blades attached to blade shafts with formed retaining clips

1/8 inch [3.2 mm] x 1/2 inch [12.7 mm] 304 stainless steel flat bar linkage with 10 gauge 304 stainless steel brackets

3/4 inch [19.1 mm] diameter 304 stainless steel round stock blade shafts

Bronze bearings up to 250 degrees Fahrenheit

Teflon bearings up to 500 degrees Fahrenheit

3/8 inch [9.53 mm] x 1 1/2 inch [38.1 mm] 304 stainless steel flat bar control/counterweight arm

11 gauge 304 stainless steel counterweight plates (CO2 and BD only)

Formed quadrant with multiple settings for blade positioning (VC only)

11 gauge 304 stainless steel counterweight plates (Backdraft and CO2 Trip Dampers only)

Standard size: 12 inch [304.8 mm] W x 12 inch [304.8 mm] H x 8 inch [203.2] D to 60 inch [1524 mm] W x 120 inch [3048 mm] H x 12 inch [304.8 mm] D

OPTIONAL CONSTRUCTION & ACCESSORIES

Formed 10 gauge stainless steel frame

Formed 12 gauge stainless steel blades

Control arms and counterweights can be shipped loose for field attachment when obstructions are not yet known or realized.

Uneven flanges for mounting between two objects with distinct flange sizes

Custom sizes are available upon request

High temp silicone seals available for VC dampers as required

Custom support brackets and linkage for various actuators



AEROACOUSTIC CORPORATION'S QUALITY POLICY

It is the policy of Aeroacoustic to deliver parts and services fully compliant with customer specifications and time requirements. Our goal is to satisfy every customer by delivering a top quality product both on time and within budget. We will strive continuously to improve our skills, processes and our professionalism both within and outside of our organization to ensure we are responsive to each customer's needs.

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