Standard Materials and Construction

FRAME: .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy,

1% x 2" x 3% flanged frame on all sides.

BLADES: Extruded aluminum, 6063-T6/T52 alloy, .081" thk.

Designed for strength and low leakage with overlapping edges.

AXLES: 1/2" dia. extruded aluminum, pin-lock design.

SEALS: Silicone rubber off-set leg at blade edges. None at jambs.

BEARING: Celcon bearing material so that there will be no

metal to metal friction.

LINKAGE: Face mounted in the airstream.

DAMPER FACE: Full jamb section with blades, head and sill contained in jambs.

TEMP. LIMITS: -40°F to 190°F. FINISH: Factory mill.

Options

Blade: 511/16" blade on 51/2" centers.

Screens: Bird or Insect screens available.

Optional frame types shown below.

Counterweights: Adjustable for infinite opening pressures. Optional locations

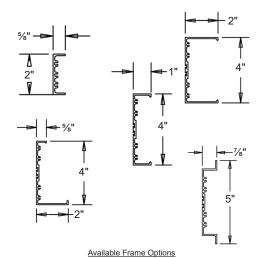
available. See Note 3 for details.

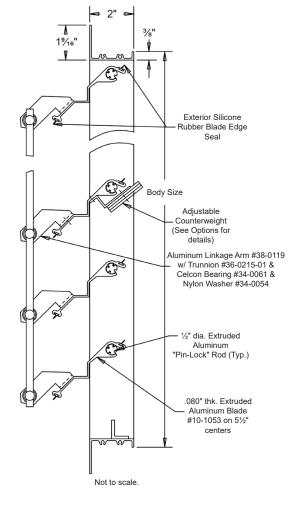
Notes

- 1. 1/4" nominal deduction will be made to the opening size given.
- When a non-symmetrical frame cross section is specified (i.e. Flanged), specify the flange/airflow orientation.
- 3. For optional counterweights, specify to assist or resist opening. Also, specify location internally (on blades) or externally (on extended shaft).
- 4. Approximate shipping weight is 6.5 lbs./sq.ft.

Damper Sizes

Min Panel	Max Panel		
8"W x 8"H Body Size	60"W x 72"H Body Size		





Item #	Qty	Width	Height	Width	Height	Mullion			0.1
		Openi	ng Size	Damp	oer Size	Mullion			<u>Union Made</u>
Arch.	Arch. / Eng.:					EDR:	ECN:	Job:	
Conti	Contractor:								
Project:						Date:	DWN:	DWG:	

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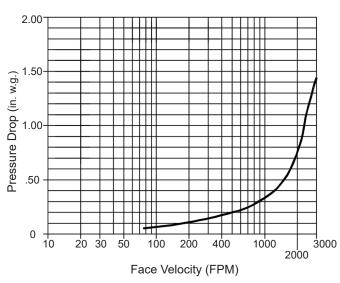
Performance Data

Without Ductwork

Damper installed per AMCA 500 Fig. 5.5 (Wall Mounted) Pressure is corrected to .075 lb./cu.ft. air density

Operational Pressures

Start to Open - .04 inches w.g. Fully Open - 1.44 inches w.g.



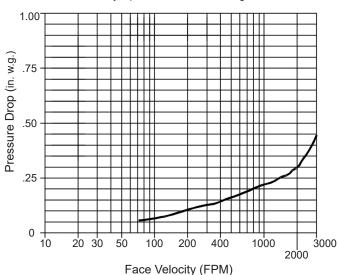
With Ductwork

Damper installed per AMCA 500 Fig. 5.3 (Ductwork installed upstream and downstream of damper)

Pressure is corrected to .075 lb./cu.ft. air density

Operational Pressures

Start to Open - .03 inches w.g. Fully Open - .44 inches w.g.



Typical Performance for Model 335 Backdraft Damper Size tested 36" x 36", furnished with counterweight to assist opening.