

Backdraft Damper • 2" Deep • Single Thickness Blades • Extruded Aluminum

Standard Construction and Materials

FRAME: .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy, 1¹/₁₆" x 2" x 3/8" 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.

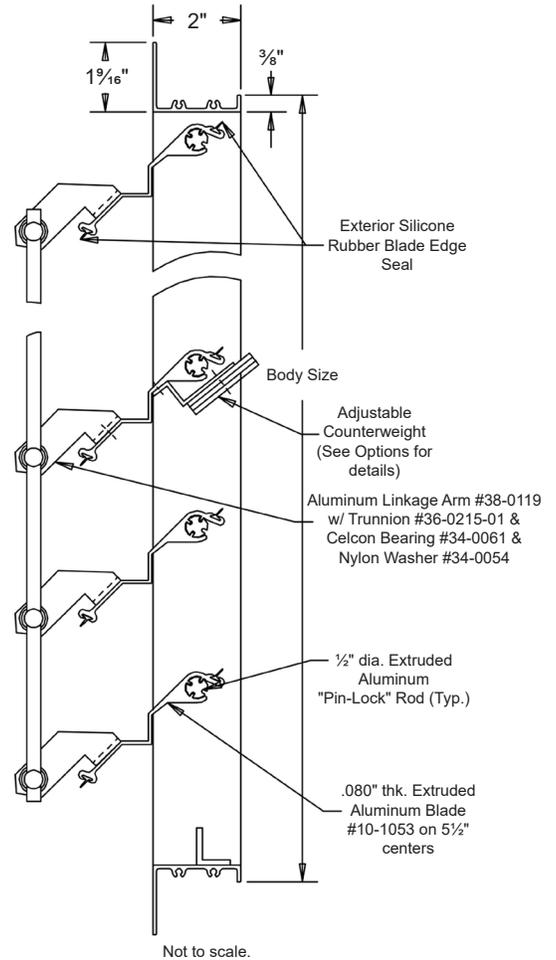
BEARING: Celcon bearing material so that there will be no metal to metal friction.

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: 5¹/₁₆" blade on 5¹/₂" centers.

Screens: Bird or Insect screens available.

Optional frame types shown below.

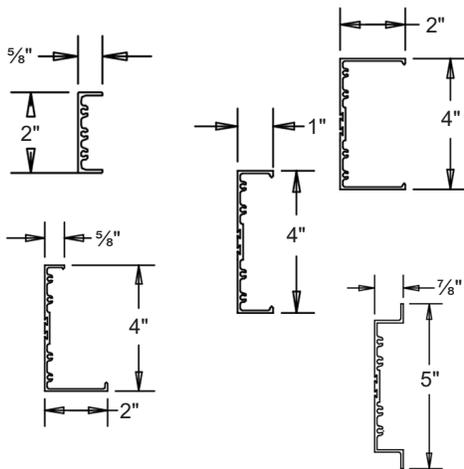
Counterweights: Adjustable for infinite opening pressures. Optional locations available. See Note 3 for details.

Notes

1. 1/4" nominal deduction will be made to the opening size given.
2. 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



Available Frame Options

Item #	Qty	Width	Height	Width	Height				Mullion
		Opening Size		Damper Size					Union Made
Arch. / Eng.:						EDR:	ECN:	Job:	
Contractor:									
Project:						Date:	DWN:	DWG:	

In the interest of product development, Cesco Products reserves the right to make changes without notice.



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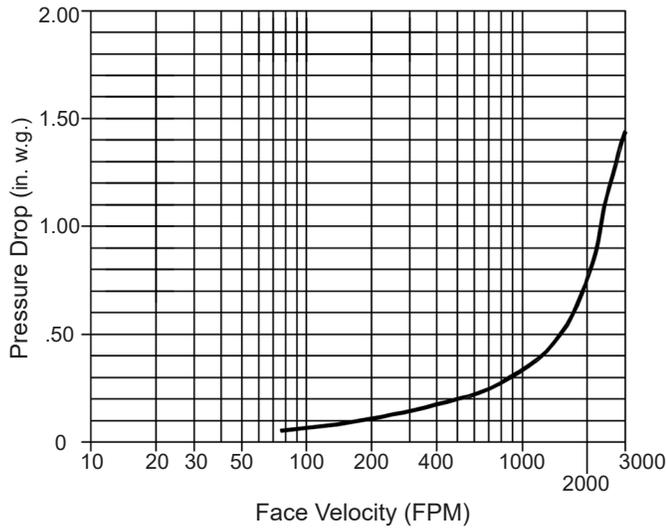
■ Performance Data

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.

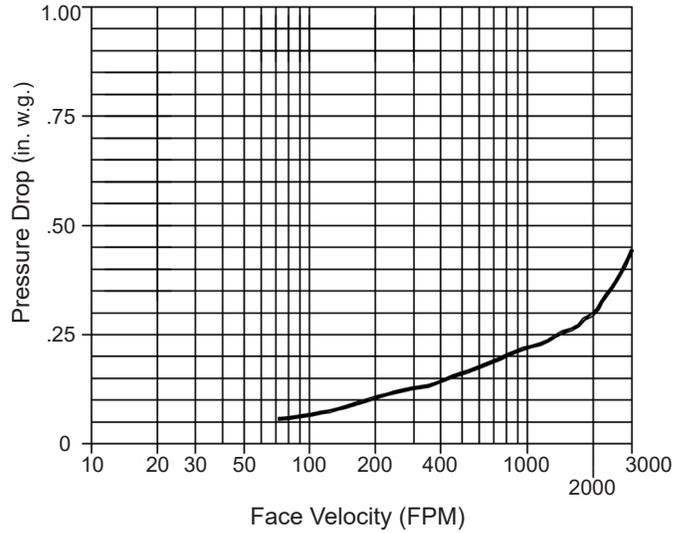


With Ductwork

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 C335 Backdraft Damper
Size tested 36" x 36", furnished with counterweight to assist opening.