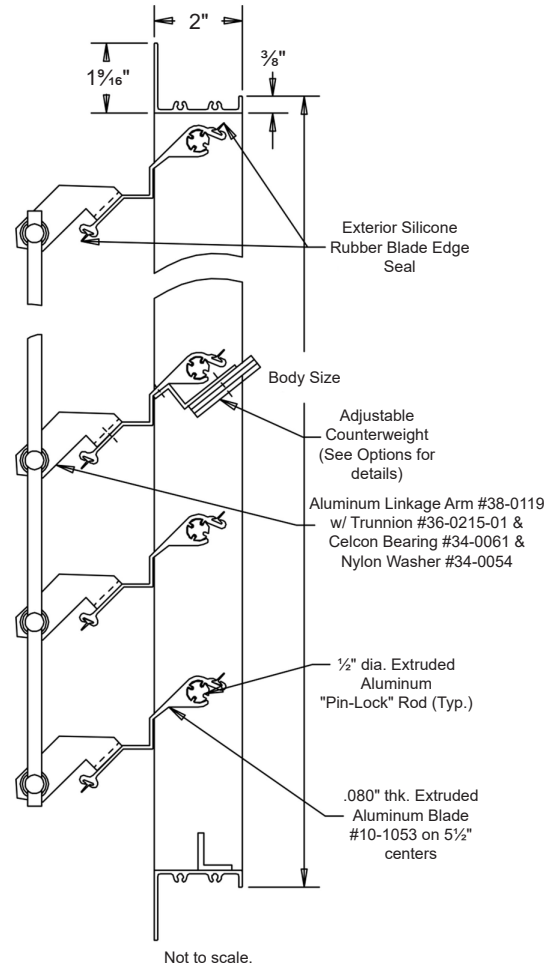


Backdraft Damper • 2" Deep • Single Thickness Blades • Extruded Aluminum

Standard Construction and Materials

- FRAME:** .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy, 1<sup>1</sup>/<sub>16</sub>" 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

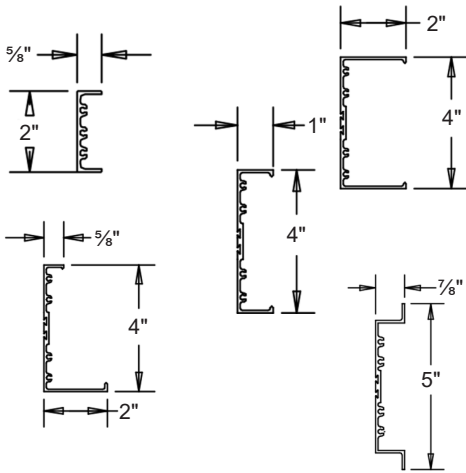
- Blade: 5<sup>1</sup>/<sub>16</sub>" blade on 5<sup>1</sup>/<sub>2</sub>" centers.
- Screens: Bird or Insect screens available.
- Optional frame types shown below.
- Counterweights: Adjustable for infinite opening pressures. Optional locations available. See Note 3 for details.

Notes

1. Nominal deductions 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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Backdraft Damper • 2" Deep • Single Thickness Blades • Extruded Aluminum

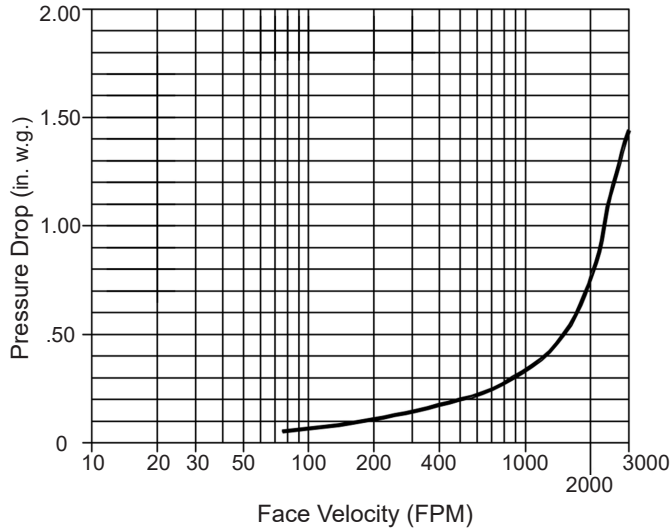
■ Performance Data

**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.

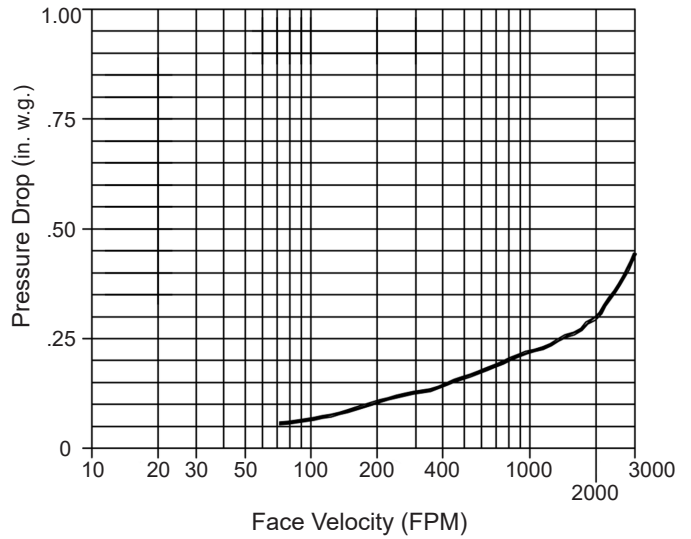


**With Ductwork**

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.