

**Aluminum Backdraft Damper  
 (4000 FPM)**

**Application and Design**

The CB-601 is a vertical or horizontal mounted backdraft damper that is designed to allow airflow and prevent reverse airflow.

**Ratings**

- Pressure:** 4" w.g.
- Velocity:** 4000 FPM
- Temperature:** 200° F

**Standard Construction**

- Frame:** .060" Thick Extruded Aluminum
- Blades:** .045" Thick Extruded Aluminum
- Blade Seal:** Vinyl
- Linkage:** 0.625" x 0.125" Aluminum Bar (in airstream)

**Size Limitations**

- Minimum size:** 6"w x 6"h
- \*Maximum single section size:** 48"w x 48"h
- Multi sections shipped knocked down**

**Multiple Sections**

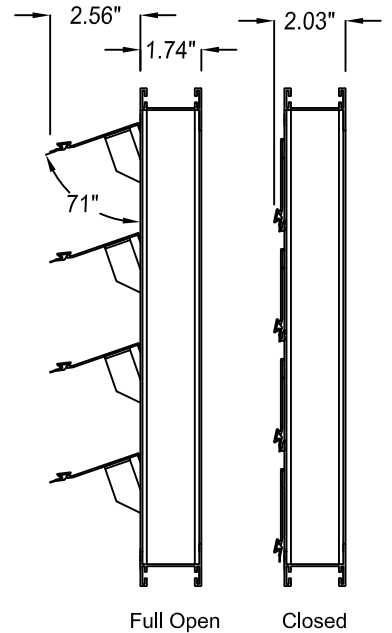
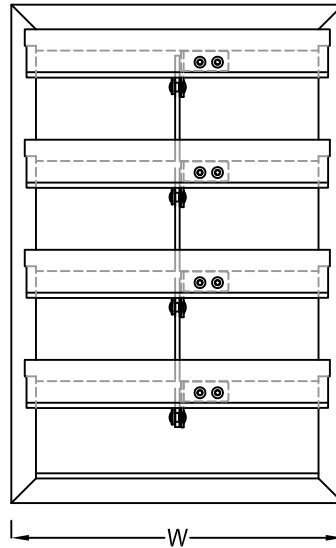
- Exposed mullions
- Aluminum sub-frame

**Finishes**

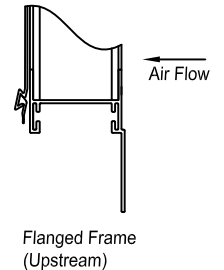
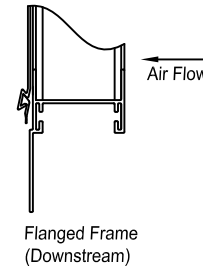
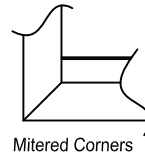
- Polyester Powder Coat (Consult Factory)

**Options and Accessories**

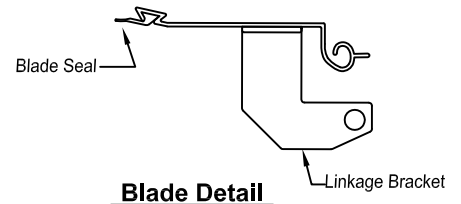
- 1-1/2" Flanged Frame
  - Upstream
  - Downstream
- Counterbalance (Barometric Relief Damper)
  - Weights
    - Assist to Open (Default)
    - Assist to Close
  - Springs
    - Assist to Open (Default)
    - Assist to Close
- Set Limit Open Position Bracket
- Motor Driven



\* W & H dimensions are approximately 1/4" undersized.  
 Box Frame shown above, Flange will add 1-1/2" around perimeter



**Frame Detail**



**Blade Detail**

Quantity	Tag	SIZE		Optional Counter-Weights or Springs	Airflow Arrangement	Other Options
		"W" Width	"H" Height			

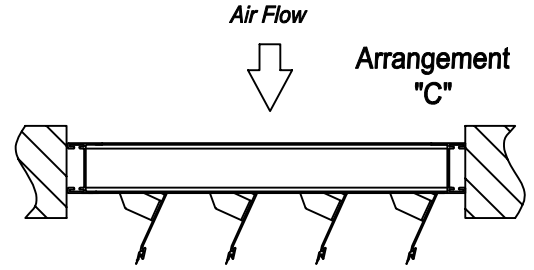
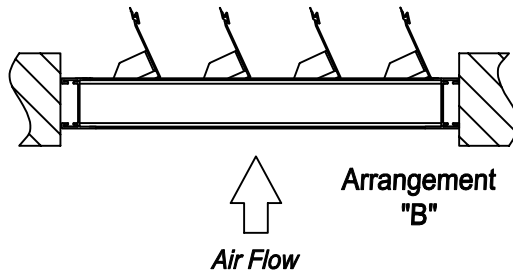
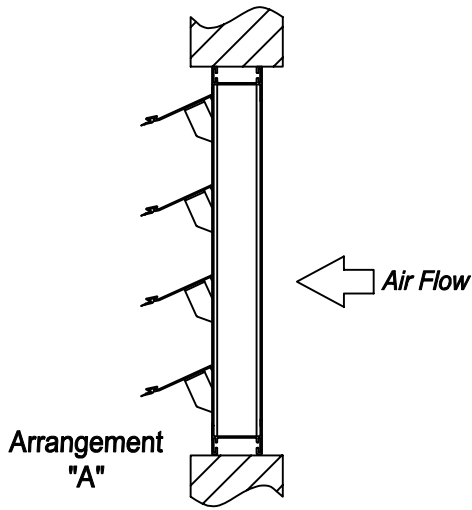
Due to continuing research, United Enertech reserves the right to change specifications without notice.

Job Name:	<input type="checkbox"/> <b>MODEL CB-601 (4000 FPM)</b>		
Location:	DRAWN BY: CLJ	DATE: 12-29-14	REV. DATE: 7-29-2020
Architect:	REV. NO. 6	APPROVED BY: MD	DWG. NO.: <b>F-3</b>
Engineer:			
Contractor:			

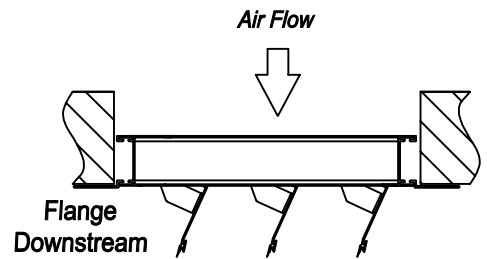
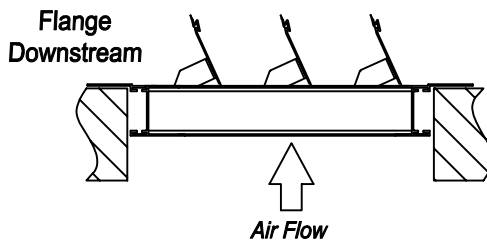
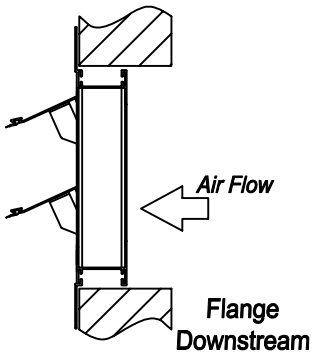
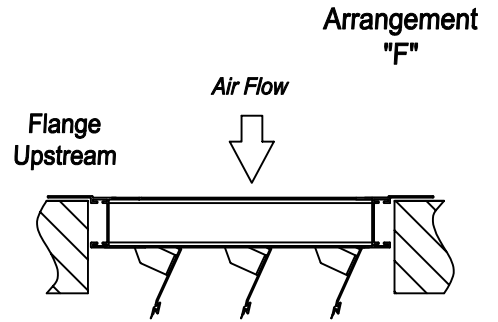
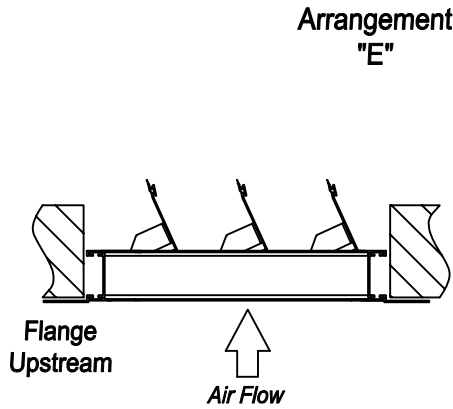
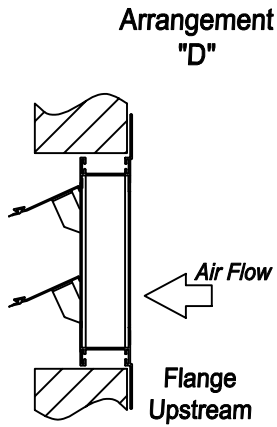
# CB-601 Airflow Arrangements

Counterweights or springs used in airstream

NO FLANGE



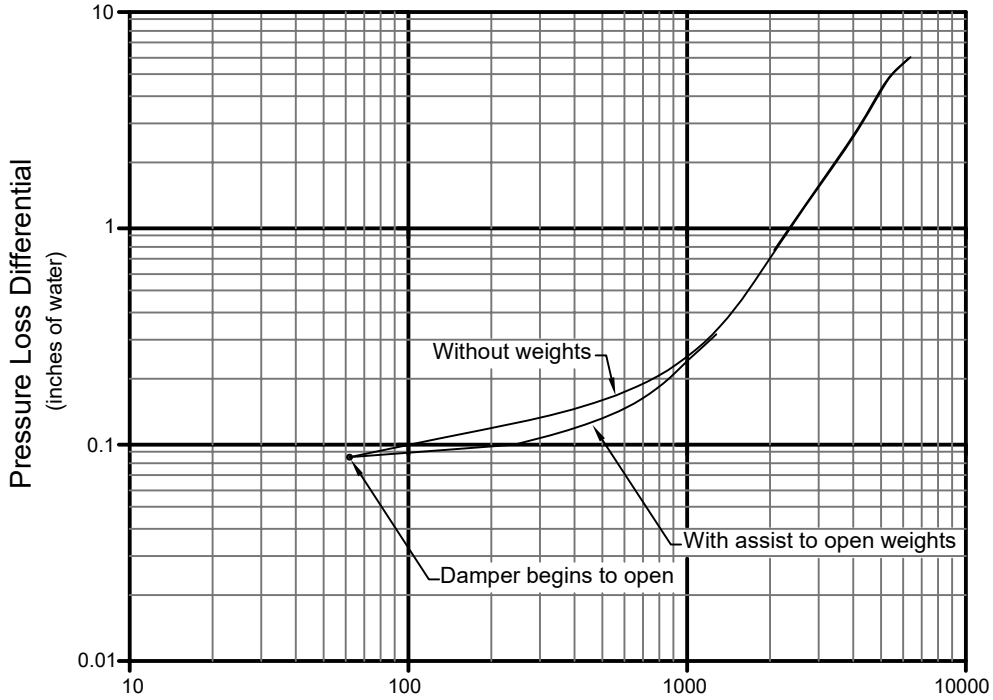
WITH FLANGE



**DISCLAIMER:**

When used in fan discharge applications, the damper should be installed at LEAST  $\frac{1}{2}$  the fan diameter away from the fan to mitigate premature product wear.

**Pressure Drop**

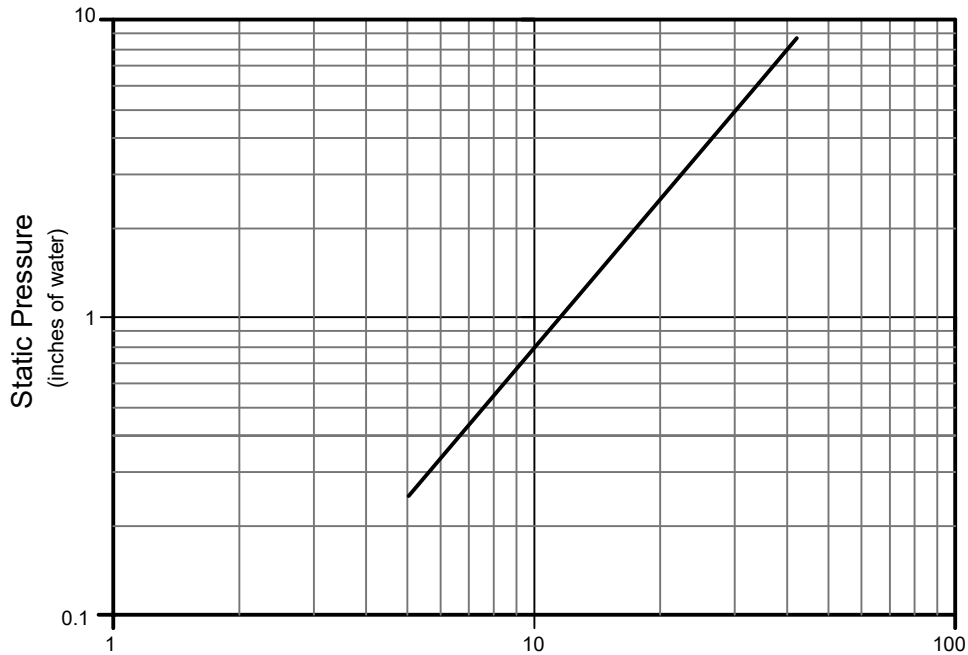


**Face Area / Duct Velocity (FPM)**

Tested per AMCA 500-D, Fig. 5.2  
 Damper size: 24" x 24"

Note: Damper can be configured with additional assist weights to relieve pressure differentials of less than 0.01" w.g.

**Leakage**



**Leakage (CFM/FT²)**

Tested per AMCA 500-D, Fig. 5.2 & 6.6  
 Damper size: 24" x 24"