

**INDUSTRIAL
 BACKDRAFT DAMPER**

Application and Design

The **ICB-950** Series is a heavy duty flanged frame style industrial backdraft damper. It is designed to control backflow and provide shut off in HVAC or industrial process control systems. A variety of optional features (see page 3), makes Model **ICB-950** extremely versatile, allowing its capabilities to be tailored to the application.

Ratings:

- Pressure:** 4 to 8-1/2 in. w.g. - differential pressure
- Velocity:** 5000 fpm
- Temperature:** 180° F

Standard Construction:

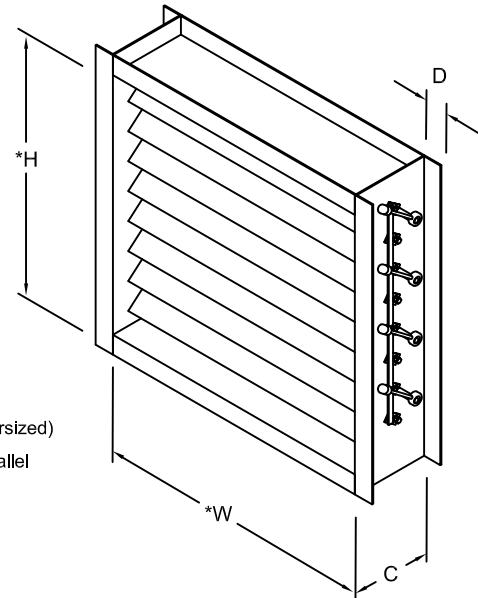
- Frame:** 2" x 8" 14 Ga. Galvanized Steel Channel
- Blade:** 18 Ga. double skin airfoil
- Linkage:** concealed
- Axles:** 3/4" diameter steel
- Bearings:** Stainless Steel sleeve type

Size Limitations:

- Minimum Size:** Single blade- 6" w x 5" h
 Multiple blades- 6" w x 9" h
- Maximum Single Section:** 48" w x 48" h
- Maximum Double Section:** 96" w x 96" h

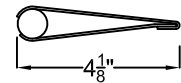
Options and Accessories:

- All Aluminum Construction (linkage epoxy coated)
- All #304 Stainless Steel Construction
- All #316 Stainless Steel Construction
- Pressed Ball Bearings
- Heavy Duty Ball Bearings (2 hole flange)
- 12 Ga. Galvanized Frame
- 10 Ga. Galvanized Frame
- Bolt Holes (both sides)
- 450°F Silicone Blade Seals

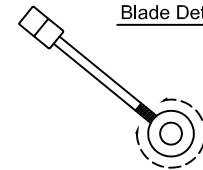


*Actual Inside Dimensions (not undersized)

** The W dimension is ALWAYS parallel with the damper blade length.



Blade Detail



Precision Counter Balanced; both by rotation in hub or slide weight up or down the rod in addition to removal or adding weights.

QUANTITY:	max.temp. (if higher than 250°)	W width	H height	frame depth C 8" std.	flange width D 2" std.	Bolt hole information							REMARKS	
						J	F	L spacing	M dla.	U	V	Y		

Job Name:	<input type="checkbox"/> MODEL ICB-950 (5000 FPM)		
Location:			
Architect:	DRAWN BY:	DATE:	REV. DATE:
Engineer:	CLJ	8-26-05	1-18-11
Contractor:	REV. NO.	APPROVED BY:	DWG. NO.:
	6	SDC	F-21

FRAME CONSTRUCTION OPTIONS

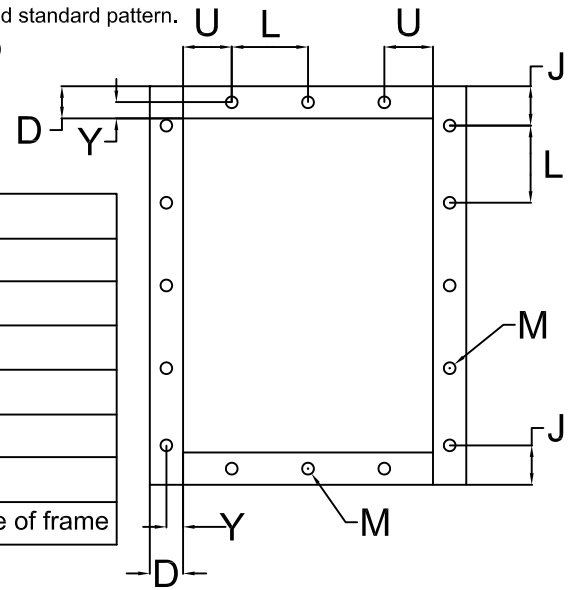
Flange (D Dim): Standard- 2"
 Optional- 1-1/2" - 4"

Bolt holes: (Standard does not include bolt holes)
 Optional- United Enertech recommended standard pattern.
 7/16" dia. holes (M dimension)
 Spaced 6" C-C (L dimension)

Web (C Dim): Standard- 10"
 Optional- 8" - 12"

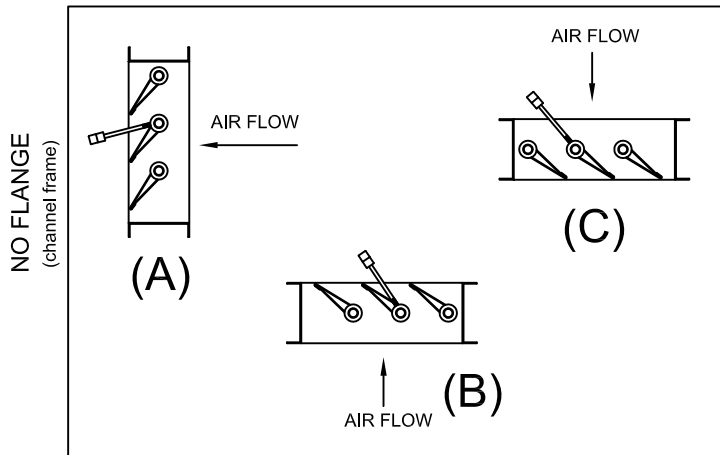
Optional- Customer may specify within
 limits shown in table below.

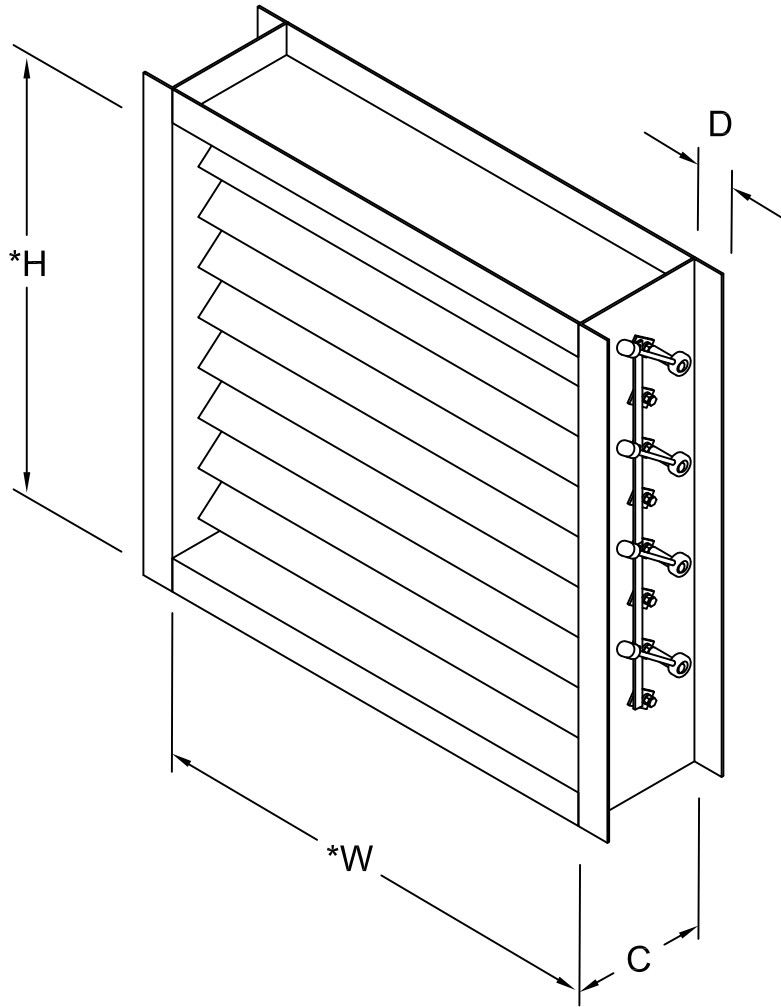
Dim.	Standard (Min./Max)	Description
J	(D/2 min.)	First/Last Space in Jamb
F	(1 min.)	No. of holes in Jamb
L	6" (2"/12")	Hole Spacing
M	7/16" (1/4"/11/16")	Mounting hole Diameter
U	(3/4" min.)	First/Last Space in Head/Sill
V	(1 min.)	No. of holes in Head/Sill
Y	D/2M (3/4"/D-3/4")	Centerline of bolt hole from inside edge of frame



ICB-950 AIR FLOW ARRANGEMENTS

Standard counter weights at jamb
 (assist to close)





SPECIFICATIONS

Industrial grade control dampers meeting the following specifications shall be furnished and installed where shown on plans and/or as described in schedules. Dampers shall consist of: a 14 ga. galvanized steel channel frame with 8" minimum depth and 2" flanges; 18 ga steel hollow airfoil blade, 3/4" steel axles turning in stainless steel sleeve bearings; and external (out of the airstream). Damper manufacturer's printed application and performance data including pressures to 8-1/2" w.g. velocities to 5000 fpm and temperatures to 180°F. Basis of design is United Enertech Model ICB-950.