

# BACKDRAFT DAMPER

BDD170



## APPLICATION

BackDraft Damper model BDD 170 is designed to allow exhaust airflow but prevent airflow in the reverse direction. Typically used with a fan and available for Vertical or Horizontal mounting.

## FEATURED STANDARD CONSTRUCTION

### FRAME:

-16 Ga galvanized steel interlocking hat channel frame construction.

### •BLADES:

- Extruded aluminum construction.

### •SEALS:

- Vinyl blade seals mechanically locked into the blade.

### •BEARINGS:

- Bronze bearing.

### •AXLES:

- Die cast aluminum.

### •LINKAGE:

- 12x3mm galvanized steel concealed in the channel frame.

### •FINISH:

- Mill finish.

### •MOUNTING:

- Vertical & Horizontal.

## OPTIONS

- Aluminum or Stainless Steel Frame.
- Stainless Steel Blades.
- Stainless Steel Horizontal Axles.
- 16x3mm Aluminum linkage or 12x3mm stainless steel linkage.
- Rubber foam seals, or UL approved Blade Seal.
- Plastic bearings.
- Duct flange or duct mate flange (35mm).

### • SIZES:

- Single Section:

Minimum: 6" (152mm) W x 6"(152mm) H

Maximum: 44"(1117mm) W x 60"(1524mm) H

- Multiple Section:

Unlimited

• **Exceptional highlighted sizes are manufactured with a flat frame:**

Width Height	4	5	6	8	10	12	14	...	48
4									
5									
6									
8									
10									
12									
14									
..									
48									

*N.B: When used in fan discharge application damper should be located at least 1/2 fan diameter from fan discharge.*

**ILLUSTRATIONS**

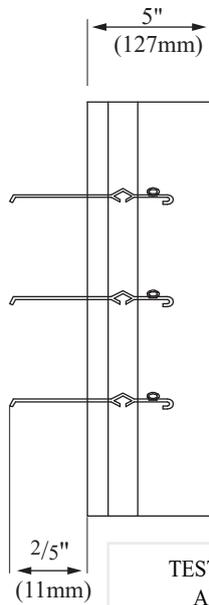


Fig.1

TESTING WAS PERFORMED BY:  
AMCA INTERNATIONAL IN  
ACCORDANCE TO AMCA STD 500.-D

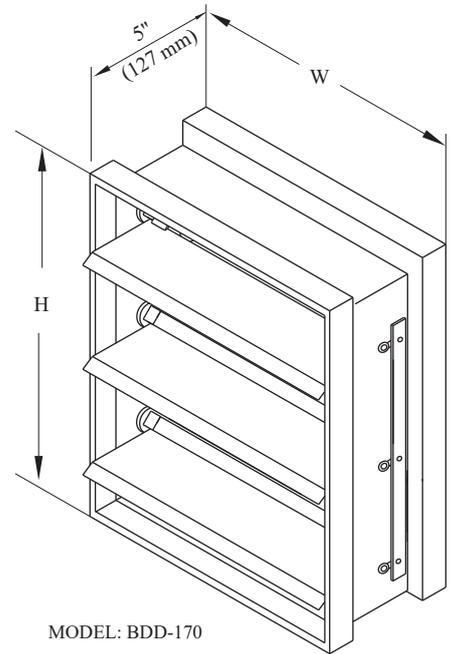
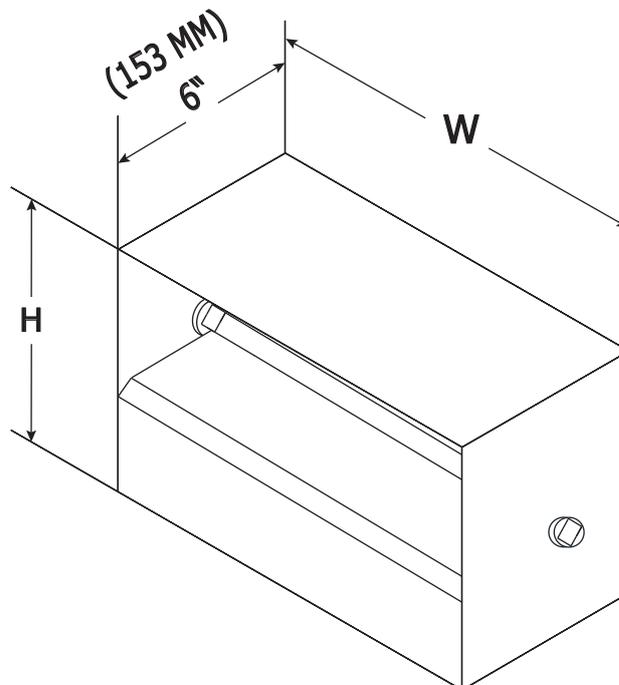


Fig.2

**Backdraft damper (Hat frame)(fig.1&2)**



**Backdraft damper (Flat frame)(fig.3)**

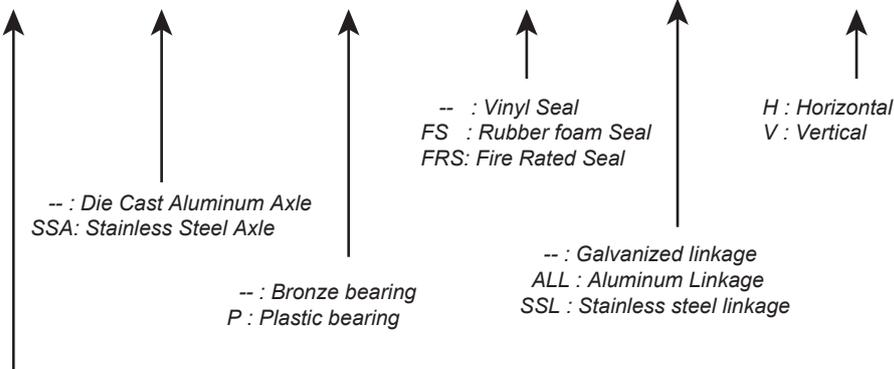


# BACKDRAFT DAMPER

BDD170

## ORDERING INFORMATION

MODEL	Construction	Axle	Bearing	Seals	Linkage	Mounting	Width	Height
BDD170	--	--	--	--	--			



-- : Die Cast Aluminum Axle  
SSA: Stainless Steel Axle

-- : Bronze bearing  
P : Plastic bearing

-- : Vinyl Seal  
FS : Rubber foam Seal  
FRS: Fire Rated Seal

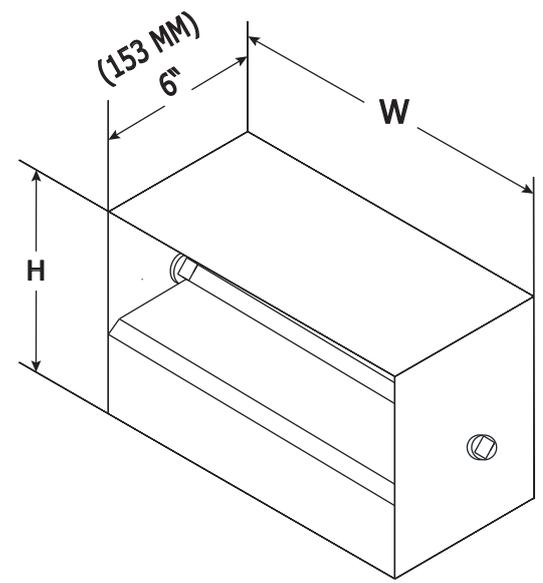
-- : Galvanized linkage  
ALL : Aluminum Linkage  
SSL : Stainless steel linkage

H : Horizontal  
V : Vertical

- : Galvanized Frame, Aluminum Blades
- ALF : Aluminum Frame, Aluminum Blades
- SSF : Stainless Steel Frame, Aluminum Blades
- SF : Galvanized Frame, Stainless Steel Blades
- ALF-SF : Aluminum Frame, Stainless Steel Blades
- SSF-SSB : Stainless Steel Frame, Stainless Steel Blades

N.B: - For more information, please check the submittal sheet  
- Exceptional sizes are manufactured with a flat frame

Width	4	5	6	8	10	12	14	...	48
Height									
4									
5									
6									
8									
10									
12									
14									
..									
48									



BDD FLAT

- Sizes:
- Minimum Sizes: 6" x 6"
- Maximum Sizes: 44" x 60"