

## 1300 / 1305 / 1307

**EXTRUDED ALUMINUM BACK DRAFT DAMPERS** (FORMERLY MBD)

The Ventex BDD is a superior concept in back draft dampers. This unique, all aluminum product eliminates the shortcomings of previous designs on the market. Pivot pins that quickly wear out or rust, or rivets that shake loose and pull through the blade are no longer a problem. The extruded blades are cleverly engineered to combine strength and durability with smooth operation by virtue of their aerodynamic design.





\*DM MODEL SHOWN

STANDARD CONSTRUCTION MATERIAL: EXTRUDED ALUMINUM - 6063-T5 ALLOY

FRAME STYLE: SPECIFY **DM** FOR DUCT MOUNT FRAME

SPECIFY **FM** FOR FLANGE FRAME (1 ½" FLANGE)

SPECIFY FIM FOR FRONT FLANGE FRAME (1 ½" FLANGE)

**DEPTH (BLADES CLOSED):** 2.75" (70 mm) 5.625" (143 mm) 0.062" (1.57 mm) 0.062" (1.57 mm)) **DEPTH (BLADES OPEN):** FRAME THICKNESS: **BLADE THICKNESS: BLADE CENTRES:** 3.75" (95 mm)

SEALS: VINYL BLADÉ SEAL **OPERATION METHOD: GRAVITY** FINISH: MILL

SIZE LIMITATIONS							
	MINIMUM	MAXIMUM					
WIDTH	8" (203 mm)	60" <i>(1524 mm)</i>					
HEIGHT	8" (203 mm)	60" <i>(1524 mm)</i>					
AREA	0.44 ft <sup>2</sup> (0.04 m <sup>2</sup> )	25 ft <sup>2</sup> (2.32 m <sup>2</sup> )					

\*DM AND FFM DAMPERS WILL BE MANUFACTURED 1/4" (6.4 mm) SMALLER THAN GIVEN OPENING DIMENSIONS UNLESS OTHERWISE SPECIFIED \*FM DAMPERS WILL BE MANUFACTURED TO THE EXACT SIZE OF GIVEN OPENING DIMENSIONS UNLESS OTHERWISE SPECIFIED

### **AVAILABLE ACCESSORIES**

#### SCREENS:

BIRDSCREEN

1/2" x 1/2" 19 GA. GALVANIZED 0

1/2" x 1/2" INTER CRIMPED ALUMINUM

INSECT SCREEN - 18 x 14 MESH

## OTHER:

- COUNTER BALANCING WITHOUT SPRINGS
- **CONDUIT HOLE**
- MANUAL LOCKING DEVICE TO KEEP BLADES OPEN
- MANUAL OPERATION COMPLETE WITH 6 FT. OF CHAIN
- JACK SHAFTS TO OPERATE MULTIPLE SECTIONS WITH A SINGLE MOTOR
- GALVANIZED BIRD SCREEN
- **END SWITCH**
- BELIMO MOTORS AVAILABLE

TAG	QTY.	<b>OPENING WIDTH</b>	OPENING HEIGHT	FRAME STYLE	ACCESSORIES

UNITS: INCHES

PROJECT NAME:	ENGINEER:	
CONTRACTOR:	SUBMITTAL DATE	

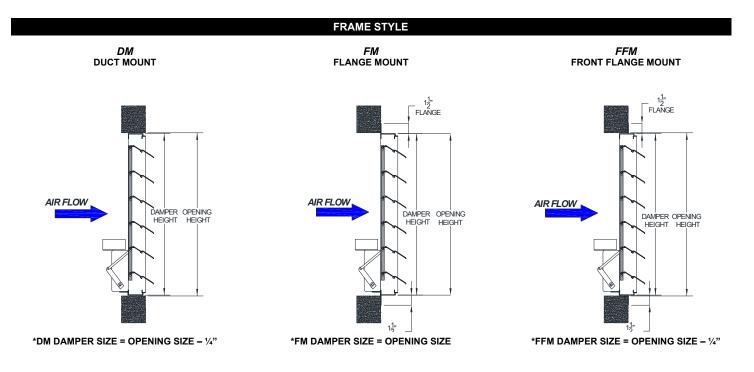
DWG. 1300/1305/1307

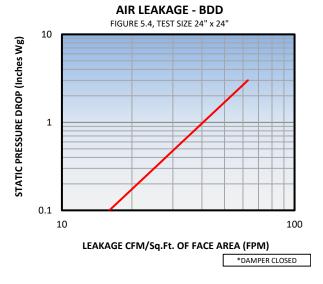
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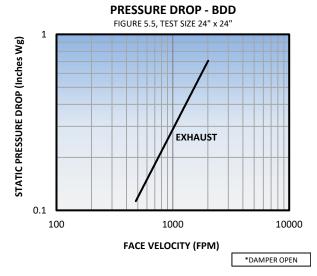


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\*AIR LEAKAGE IS BASED UPON OPERATION BETWEEN 50°F (10°C) – 104°F (40°C) \*TEST RESULTS DO NOT INCLUDE THE EFFECTS OF BIRDSCREEN

#### RECOMMENDED SPECIFICATION

Furnish and install back draft damper model BDD as manufactured by Ventex Inc, Alliston, Ontario. Dampers must be licensed to bear the AMCA seal. Dampers shall be 2.75" (70 mm) deep when the blades are closed and 5.625" (143 mm) when the blades are open. Blades shall be 0.062" (1.57 mm) extruded 6063-T5 aluminum alloy and frame shall be 0.062" (1.57 mm) extruded 6063-T5 aluminum alloy. The blades must have vinyl edge seals integral to each blade. Linkage is to be concealed from the front view of the damper and cannot be mechanically fastened to the damper blades.

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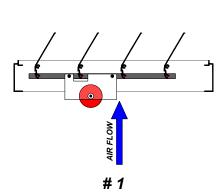
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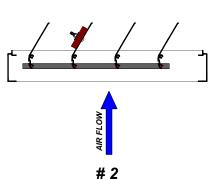


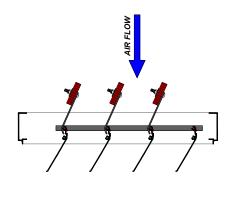
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### **COUNTER BALANCE ARRANGEMENTS**



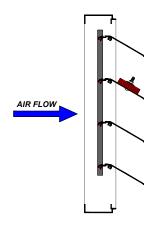




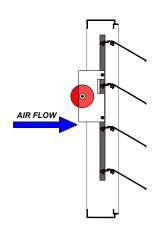
MOUNT CONFIGURATION: HORIZONTAL AIR FLOW: UPWARD ASSIST: OPEN

MOUNT CONFIGURATION: HORIZONTAL AIR FLOW: UPWARD ASSIST: CLOSE

# 3
MOUNT CONFIGURATION: HORIZONTAL
AIR FLOW: DOWNWARD
ASSIST: CLOSE



MOUNT CONFIGURATION: VERTICAL ASSIST: CLOSE



# 5
MOUNT CONFIGURATION: VERTICAL
ASSIST: OPEN

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