



# 1200 / 1205 / 1207

## EXTRUDED ALUMINUM BACK DRAFT DAMPERS

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

<b>MATERIAL:</b>	EXTRUDED ALUMINUM - 6063-T5 ALLOY
<b>FRAME STYLE:</b>	SPECIFY <b>DM</b> FOR DUCT MOUNT FRAME SPECIFY <b>FM</b> FOR FLANGE FRAME (1 1/2" FLANGE) SPECIFY <b>FFM</b> FOR FRONT FLANGE FRAME (1 1/2" FLANGE)
<b>DEPTH (BLADES CLOSED):</b>	2.75" (70 mm)
<b>DEPTH (BLADES OPEN):</b>	5.625" (143 mm)
<b>FRAME THICKNESS:</b>	0.062" (1.57 mm)
<b>BLADE THICKNESS:</b>	0.062" (1.57 mm)
<b>BLADE CENTRES:</b>	3.75" (95 mm)
<b>SEALS:</b>	VINYL BLADE SEAL
<b>OPERATION METHOD:</b>	GRAVITY
<b>FINISH:</b>	MILL

### SIZE LIMITATIONS

	MINIMUM	MAXIMUM
<b>WIDTH</b>	8" (203 mm)	60" (1524 mm)
<b>HEIGHT</b>	8" (203 mm)	60" (1524 mm)
<b>AREA</b>	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
  - 1/2" x 1/2" INTER CRIMPED ALUMINUM
- INSECT SCREEN - 18 x 14 MESH

#### FINISH:

- BAKED ENAMEL FINISH
- DURANAR FINISH
- ANODIZED FINISH
  - CLEAR ANODIZED
  - LIGHT BRONZE
  - MEDIUM BRONZE
  - DARK BRONZE
  - BLACK ANODIZED

\*Note: Ventex will only paint the exterior side of the damper (Not both sides)

#### OTHER:

- COUNTER BALANCING WITHOUT SPRINGS
- CONDUIT HOLE
- MANUAL LOCKING DEVICE TO KEEP BLADES OPEN
- MANUAL OPERATION COMPLETE WITH 6 FT. OF CHAIN

TAG	QTY.	OPENING WIDTH	OPENING HEIGHT	FRAME STYLE	ACCESSORIES

UNITS: INCHES

PROJECT NAME:

CONTRACTOR:

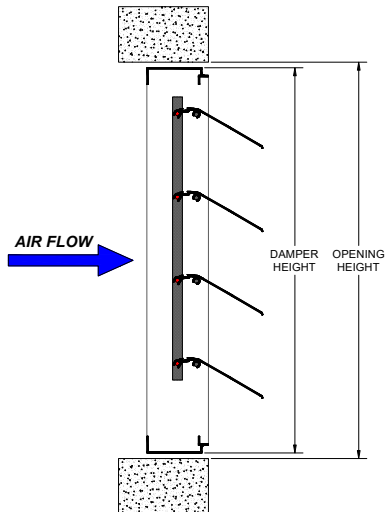
ENGINEER:

SUBMITTAL DATE:

DWG. 1200/1205/1207 DECEMBER 2024

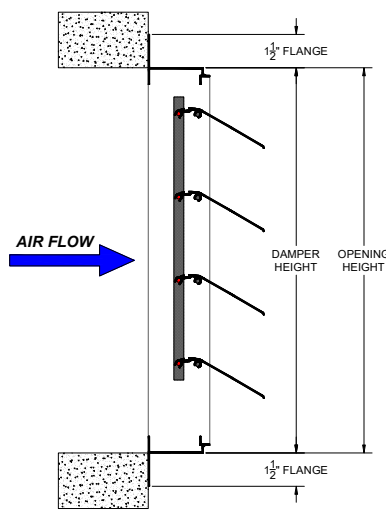
### FRAME STYLE

#### MODEL 1200 DM DUCT MOUNT



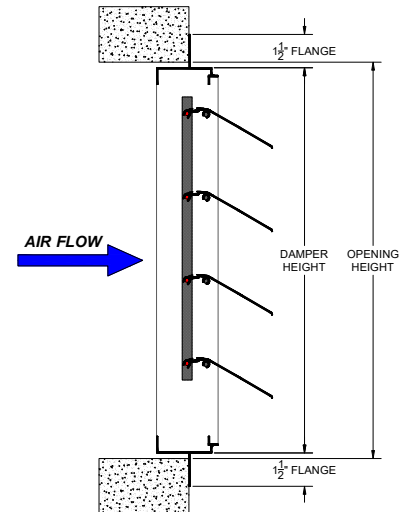
\*DM DAMPER SIZE = OPENING SIZE - 1/4"

#### MODEL 1205 FM FLANGE MOUNT



\*FM DAMPER SIZE = OPENING SIZE

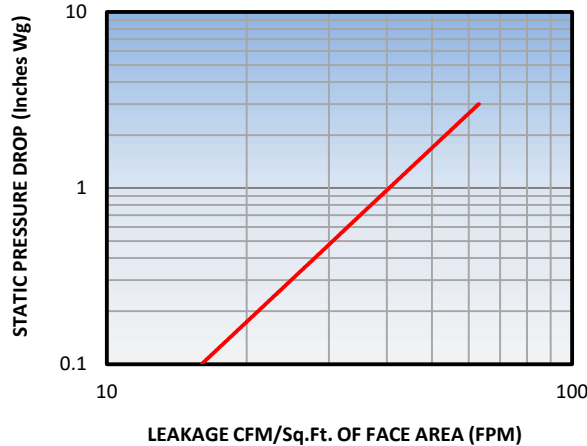
#### MODEL 1207 FFM FRONT FLANGE MOUNT



\*FFM DAMPER SIZE = OPENING SIZE - 1/4"

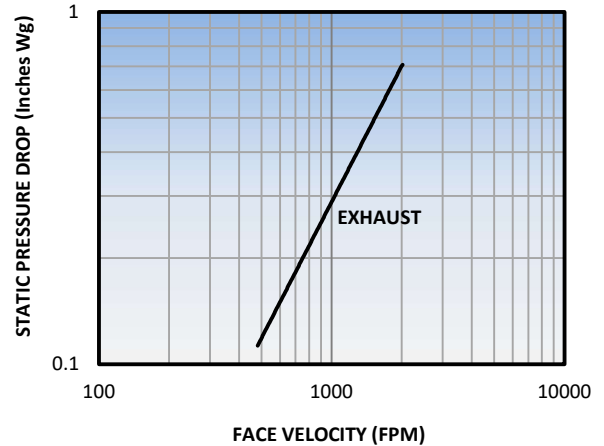
### AIR LEAKAGE - BDD

FIGURE 5.4, TEST SIZE 24" x 24"



### PRESSURE DROP - BDD

FIGURE 5.5, TEST SIZE 24" x 24"



\*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.

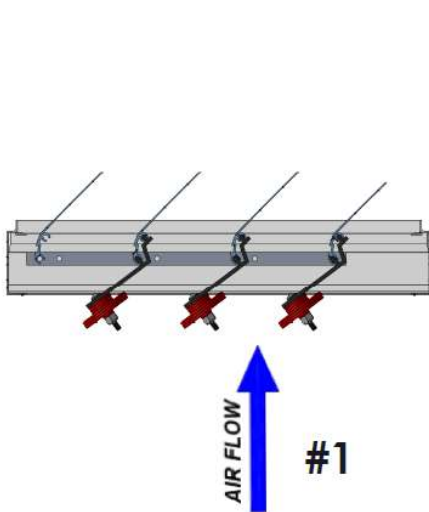
### CERTIFIED RATINGS

Ventex Inc. certifies that the BDD Back Draft Damper shown here is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The Certified Ratings Seal applies to air performance and air leakage ratings.



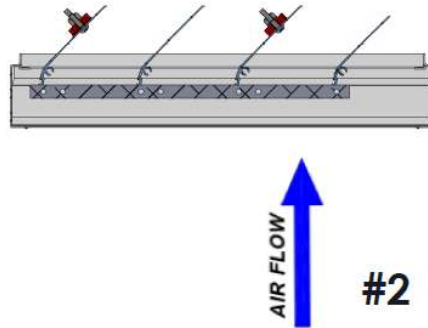
Certification

**COUNTER BALANCE ARRANGEMENTS**



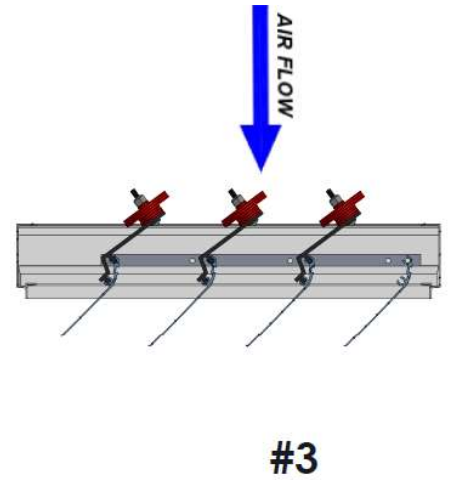
**#1**

**MOUNT CONFIGURATION: HORIZONTAL**  
**AIR FLOW: UPWARD**  
**ASSIST: OPEN**



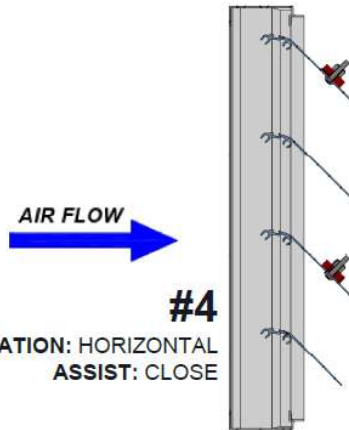
**#2**

**MOUNT CONFIGURATION: HORIZONTAL**  
**AIR FLOW: UPWARD**  
**ASSIST: CLOSE**



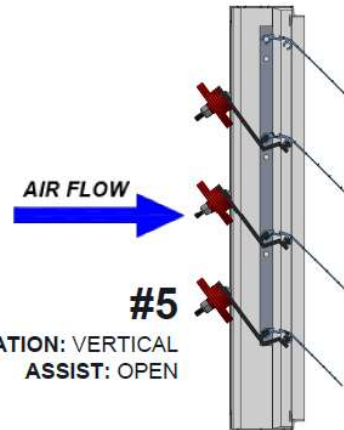
**#3**

**MOUNT CONFIGURATION: HORIZONTAL**  
**AIR FLOW: DOWNWARD**  
**ASSIST: CLOSE**



**#4**

**MOUNT CONFIGURATION: HORIZONTAL**  
**ASSIST: CLOSE**



**#5**

**MOUNT CONFIGURATION: VERTICAL**  
**ASSIST: OPEN**