



# MODEL FDD-SB CURTAIN FIRE DAMPER

U.L. 555 CLASSIFIED 1-1/2 AND 3 HOURS  
FOR USE IN DYNAMIC OR STATIC SYSTEMS

## Application and Design

The Model FDD-SB is UL Classified for installation in walls, floors, and partitions with a fire rating of less than 3 hours. This damper may be installed vertically or horizontally in dynamic HVAC systems that continue to run in the event of fire. Also approved for static systems (See optional 3 hr rating)

## Standard Construction

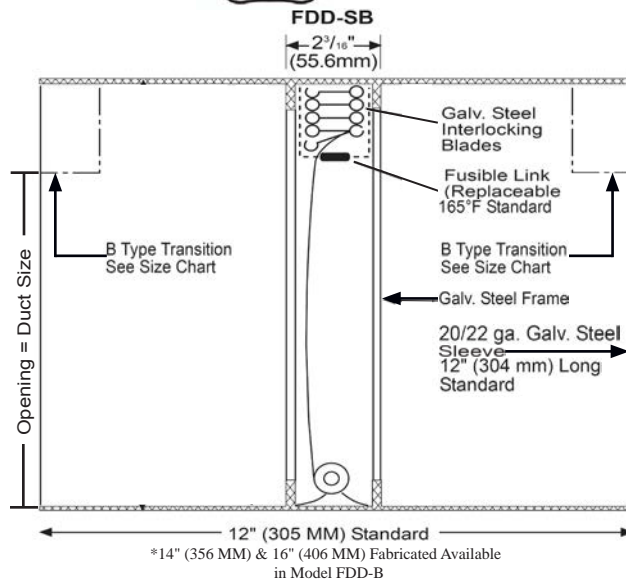
- Frame:** 12" Roll formed Frame - Galvanized Steel - Integral Sleeve
- Blades:** Low Profile Roll Formed - Galvanized Steel
- Closure Springs** (horizontal models only): Stainless Steel constant force coil
- Fusible Link - UL-33:** UL Listed 165°F (Standard), 212°F (Optional)
- Maximum Velocity:** 2000 FPM (10.2 M/S)
- Maximum Pressure:** 4" WG (1KPA)

Model FDD-SB meets or complies with the following as a fire damper:  
All major building codes, including IBC/ICC International Code  
UL 555 Listing 1-1/2 and 3 Hour - File #R25410  
ULC S112  
NFPA - 90A, 80

Note: Refer to installation instructions for required opening in fire rated barrier.

Note: Dampers are furnished Approx. as given duct dimensions, unless otherwise noted.

Note: Due to continuing research, UE reserves the right to change specifications without notice.



SIZE CHART

Duct Height	Type "B" Damper Height
Inch	Inches
4	6
5	7
6	8
7	9
8	10
9	11
10	12
11	13
12	14
13	15
14	16
15	17
16	18
17	19
18	20
19	21
20	23
21	24
22	25
23	26
24	27
25	28
26	29
27	30
28	31
29	32
30	33
31	34
32	35

- See Chart for overall sizes

Standard Sizes (duct) 1-1/2 Hour & 3 Hour		
Min. V or H	*Max. Vertical Size	*Max. Horizontal Size
6" X 4" 152mm X 101mm	72"W X 32"H 1829mm X 813mm	36"W X 32"H 914mm X 813mm

\* May consist of multi-sections

### Options:

- Retaining Angles
  - One Side
  - Both Sides
- 3 Hour Rating
- Mounting:
  - Horizontal
  - Vertical

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Architect: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_

**MODEL FDD-SB**

DRAWN BY: MAB	DATE: 10-23-07	REV. DATE: 06-17-09
REV. NO. 5	APPROVED BY: SDC	DWG. NO.: <b>A-5</b>