

## Dynamic Fire Damper, Horizontal and Vertical

### Model

Dynamic Fire Damper **FDD-B**

#### Standard Construction:

**Frame:** Roll Formed Galvanized Steel with Safety Edge.

**Blades:** Roll Formed Galvanized Steel, Curtain-Type

**Springs:** Stainless Steel.

**Fusible Link:** U.L. Listed 165°F.

#### 1 1/2 & 3 Hr. Vertical:

**Min. Size:** 6" w X 4" h (152mm x 102mm)

**Max. Single Section:** 36" w X 32" h (914mm x 813mm)

**Max. Size:** 72" w X 32" h (1829mm x 813mm)

#### 1 1/2 & 3 Hr. Horizontal:

**Min. Size:** 6" w X 4" h (152mm x 102mm)

**Max. Single Sect.:** 24" w X 21" h (610mm x 533mm)

**Max. Size:** 36" w X 32" h (914mm x 813mm)

#### Optional Construction:

- For factory supplied sleeve see submittal for FDD-B c/w sleeve
- 3 Hour Rating
- 212°F fusible link (vertical only, 24"x21" (610mm x 533mm) max size)

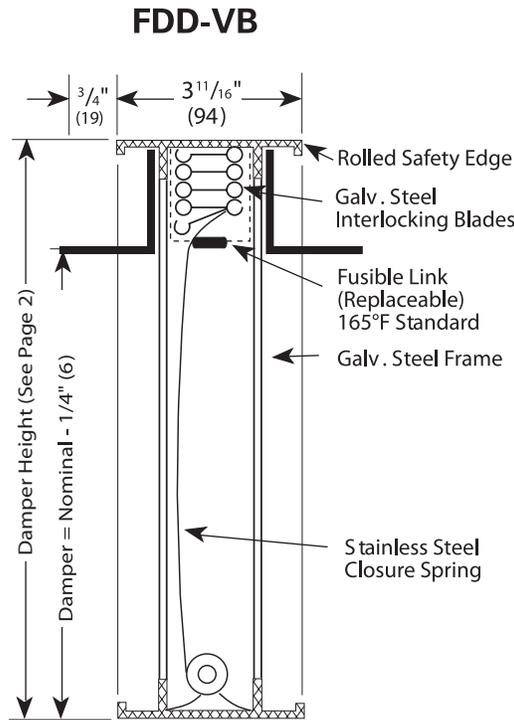
**Notes:** Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.

UL/ULC Approved for Use in Static and Dynamic Systems.

#### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

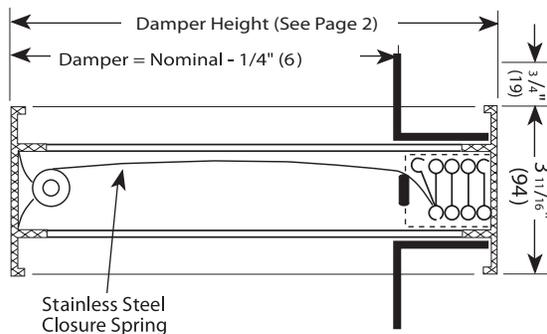
Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.



DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.



### FDD-HB



<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>		May / 08	
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>	245015	

**Model FDD-B**  
 1½, 3 Hour Rated  
 "B" Style

**Dynamic Fire Damper, Horizontal and Vertical**

TYPE B

W = Width (Duct)  
 H = Height (Duct)  
 $X = H + B$   
 B = Blade Stack  
 (see chart)

For dampers one section high:

Duct Height (H)	B
up to 20" (508)	2" (51)
21" (533) to 32" (813)	3" (76)

For HORIZONTAL dampers two sections high:

Duct Height (H)	B
up to 32" (813)	4" (102)

Note: See maximum section size for relevant hourly rating and mounting position to determine which chart to use.

## Dynamic Fire Damper, Horizontal and Vertical

### Model

Dynamic Fire Damper  
FDD-B-S c/w Sleeve

#### Standard Construction:

**Frame:** 12" Roll Formed Galvanized Steel.

**Blades:** Roll Formed Galvanized Steel, Curtain-Type

**Factory Sleeve:** 12" (305mm) - 20/22ga.

**Springs:** Stainless Steel.

**Fusible Link:** U.L. Listed 165°F.

#### 1 1/2 & 3 Hr. Vertical:

##### Min. Size:

6" w X 4" h (152mm x 102mm)

##### Max. Single Section:

36" w X 32" h (914mm x 813mm)

##### Max. Size:

72" w X 32" h (1829mm x 813mm)

#### 1 1/2 & 3 Hr. Horizontal:

##### Min. Size:

6" w X 4" h (152mm x 102mm)

##### Max. Single Section:

24" w X 21" h (610mm x 533mm)

**Max. Size:** 36" w X 32" h (914mm x 813mm)

#### Optional Construction:

- Sleeve Gauge
  - 18 Gauge
  - 16 Gauge
  - 14 Gauge
  - 10 Gauge
- Sleeve Length (Required) \_\_\_\_\_
- 212°F fusible link (vertical only, 24"x21" (610mm x 533mm) max size)

**Notes:** Dampers are furnished approximately 1/4" (6) smaller than given duct dimensions.

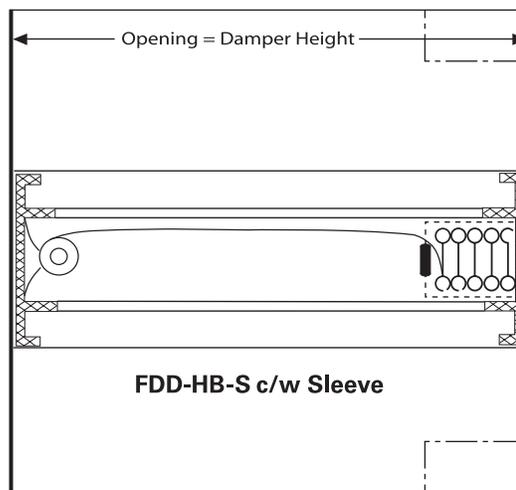
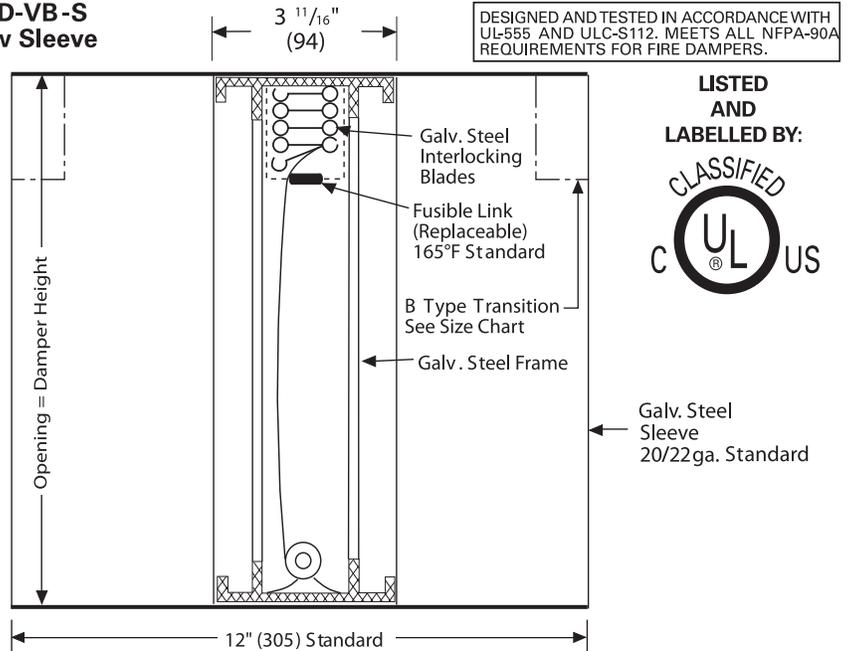
UL/ULC Approved For Use in Dynamic and Static Systems.

#### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

### FDD-VB-S c/w Sleeve



<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>			May / 08
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>		245017

**Model FDD-B-SL**  
 1½, 3 Hour Rated  
 "B" Style

**Dynamic Fire Damper, Horizontal and Vertical**

**TYPE B**

W = Width (Duct)  
 H = Height (Duct)  
 $X = H + B$   
 B = Blade Stack  
 (see chart)

For dampers one section high:

Duct Height (H)	B
up to 20" (508)	2" (51)
21" (533) to 32" (813)	3" (76)

For HORIZONTAL dampers two sections high:

Duct Height (H)	B
up to 32" (813)	4" (102)

Note: See maximum section size for relevant hourly rating and mounting position to determine which chart to use.