

## **Application**

Model ODFD-150 is a dynamic rated out of wall fire damper for use in HVAC systems that are operating in the event of a fire. This fire damper is rated for use in walls or partitions with less than 3 hour fire resistance rating and can be mounted vertically or horizontally. Removal of grille allows access to the damper and fusible link.

## Ratings

### **UL 555 Fire Resistance**

Fire Rating: 11/2 hours

#### **Velocity**

4000 fpm (20.3 m/s) vertical mount only, up to 24 in. x 24 in. (610mm x 610mm) vertical mount only, 165° link only; 2000 fpm (10.2 m/s) vertical or horizontal mount all sizes

#### **Pressure**

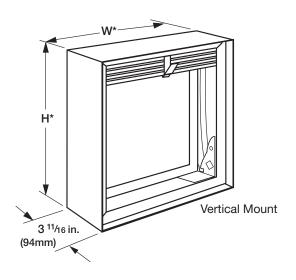
Maximum: 4 in. wg (1 kPa)

\*W & H dimensions furnished approximately  $\frac{1}{4}$  in. (6mm) undersize. (Add blanket thickness [ $\frac{1}{6}$  in. (32mm)] plus sleeve thickness for overall sleeved damper dimension.)

Oversize opening as follows: Nominal damper size + % in. (9.5mm).

## Construction

Construction	Standard	Optional			
Frame Material	Galvanized steel*	-			
Frame Depth	3 <sup>11</sup> / <sub>16</sub> in. (94mm)	-			
Blade Material	Galvanized steel*	-			
Closure Spring	losure Spring Stainless steel				
Fusible Link	165°F (74°C)	212°F (100°C)			
Mounting	Vertical	Horizontal			
* in gauges required by UL listing R13317					



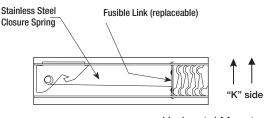


See complete marking on product.

UL 555 Classification R13317

Model ODFD-150 meets the requirements for fire dampers established by:

- National Fire Protection Association NFPA Standards, 80, 90A, and 101
- International Building Codes (IBC)
- CSFM California State Fire Marshal Fire Listing (#3225-0981:0102)



Horizontal Mount

# **Options**

- Transitions: B2
- Grille Tabs
- Closed Indicator Switch
- Retaining Angles

# **Document Links**



**INSTALLATION** 



**CATALOG** 



**SELECTION GUIDE** 



**ALTERNATE INSTALLATIONS** 



**SPECIFICATIONS** 



**WARRANTY** 

The following chart shows minimum and maximum damper sizes. Dimensions are in inches (mm in parentheses).

# **Type B2 Overall Damper Dimensions**

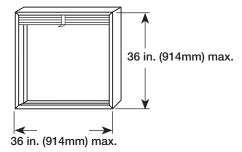
	Type A		Type B2	
Inches (mm)	Minimum	Maximum	Minimum	Maximum
Single Section Vertical	4 x 4 (102 x102)	36 x 36 (914 x 914)	4 x 3 (102 x 76)	36 x 31 (914 x 787)
Single Section Horizontal		30 x 30 (762 x 762)		30 x 26 (762 x 660)

<sup>\*</sup> Sizes are based on 165°F closure temperature and 2000 fpm. Consult factory for maximum size for different temperatures and velocities.

## Type A

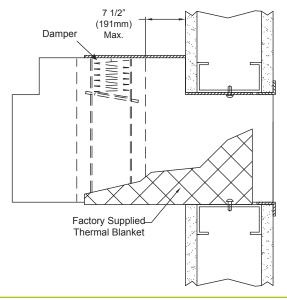
Maximum Single Section Dimensions

#### **Maximum Single Section Dimensions**



# Type B2

When B2 transition is selected, a factory mounted sleeve is provided.



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Vertical Mount		Horizontal Mount				
H*	O*	H*	O*			
3 (76)	5 (127)	3 (76)	5 (127)			
4 (102)	6 (152)	4 (102)	6 (152)			
5 (127)	7 (178)	5 (127)	7 (178)			
6 (152)	8 (203)	6 (152)	8 (203)			
7 (178)	9 (229)	7 (178)	9 (229)			
8 (203)	10 (254)	8 (203)	10 (254)			
9 (229)	11 (279)	9 (229)	11 (279)			
10 (254)	12 (305)	10 (254)	12 (305)			
11 (279)	13 (330)	11 (279)	13 (330)			
12 (305)	14 (356)	12 (305)	14 (356)			
13 (330)	15 (381)	13 (330)	15 (381)			
14 (356)	16 (406)	14 (356)	16 (406)			
15 (381)	18 (457)	15 (381)	18 (457)			
16 (406)	19 (483)	16 (406)	19 (483)			
17 (432)	20 (508)	17 (432)	20 (508)			
18 (457)	21 (533)	18 (457)	21 (533)			
19 (483)	22 (559)	19 (483)	22 (559)			
20 (508)	23 (584)	20 (508)	23 (584)			
21 (533)	24 (610)	21 (533)	24 (610)			
22 (559)	26 (660)	22 (559)	26 (660)			
23 (584)	27 (686)	23 (584)	27 (686)			
24 (610)	28 (711)	24 (610)	28 (711)			
25 (635)	29 (737)	25 (635)	29 (737)			
26 (660)	30 (762)	26 (660)	30 (762)			
27 (686)	31 (787)	27 (686)	31 (787)			
28 (711)	32 (813)	28 (711)	32 (813)			
29 (737)	33 (838)	29 (737)	33 (838)			
30 (762)	34 (864)	30 (762)	34 (864)			
31 (787)	36 (914)	31 (787)	36 (914)			
		32 (813)	35 (889)			



33 (838)

36 (914)