



Static Rated Fire Damper 3 Hour Fire Resistance Rating

Application

Model FD-350 is a static rated fire damper approved for use in walls and partitions with fire resistance ratings of 3 hours or more. This model carries a 3 hour UL fire damper label. UL 555 classifies static rated fire dampers for use in HVAC systems that are automatically shut down in the event of fire.

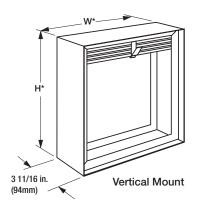
Ratings

UL 555 Fire Resistance Rating

Fire Rating: 3 Hour

Construction

	Standard	Optional			
Frame Material	Galvanized steel*	-			
Frame Depth	311/16 in. (94mm)	-			
Blade Material	Galvanized steel*	-			
Closure Spring	Stainless steel	-			
Fusible Link	165°F (74°C)	212°F (100°C)			
Mounting	Vertical -				
* in gauges required by UL listing R13317					





* These dimensions are furnished approximately 1/4 in. (6mm) undersize.

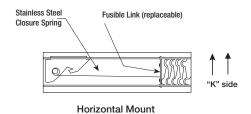


See complete marking on product.

UL 555 Classification R13317

Model FD-350 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)



FD-350 January 2024

Options and Accessories

- Breakaway connections
- Clean wrap
- Closed indicator switch
- Flanges
- Grille tabs
- Retaining angles
- Sealed transitions and sleeve
- Transitions: B, B2, C, CO, CR, and R

Document Links



INSTALLATION



CATALOG



SELECTION GUIDE



SPECIFICATIONS



WARRANTY

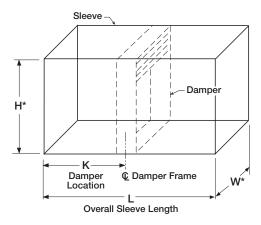
Factory Sleeve Option

All fire damper installations require the use of sleeves, angles and methods described in the installation instructions. Sleeves can be field fabricated or factory furnished as a completed damper/sleeve assembly.

Sleeves are galvanized steel and are available in 20 through 10 ga. (1mm - 3.5mm) thicknesses and lengths up to 36 in. (914mm).

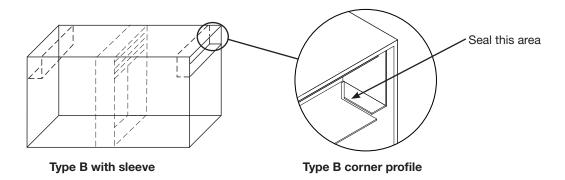
"K" dimension specifies location of damper within the sleeve. Minimum is 4 in. (102mm), maximum is "L" less 4 in. (102mm), which allows for mounting angle installation, and duct connection at each end of the sleeve. If "K" dimension is not specified, it will be provided as one half of "L" dimension (damper centered in sleeve).

Note: If using access doors, the door should be installed on the "K" side of the damper.



Sealed Option

When sealed option is selected, B transition will need to be field sealed in the area where duct to sleeve connection is made.



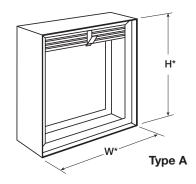
Type A

Dampers larger than maximum single section size are supplied in 2 or more sections of equal size. Multi-section dampers are factory assembled ready for installation.

Size Limitations

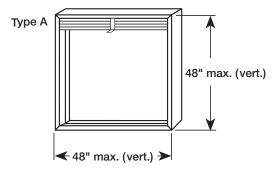
Inches (mm)	Ту	уре А	Type B & B2		
Inches (mm)	Minimum	mum Maximum		Maximum	
Single Section Vertical	4 x 4 (102 x 102)	48 x 48 (1219 x 1219)	4 x 3 (102 x 76)	48 x 42 (1219 x 1067	
Single Section Horizontal	4 x 4 (102 x 102)	40 x 40 (1016 x 1016)	4 x 3 (102 x 76)	40 x 35 (1016 x 889)	
Multi Section Horizontal**	NA	80 X 40 (2032 X 1016)	NA	80 X 35 (2032 X 889)	

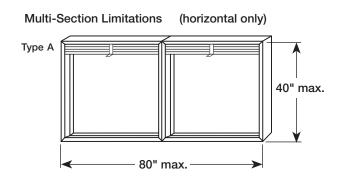
^{**} Consult factory for number of sections.



^{*} These dimensions are furnished approximately 1/4 in. (6mm) undersize.

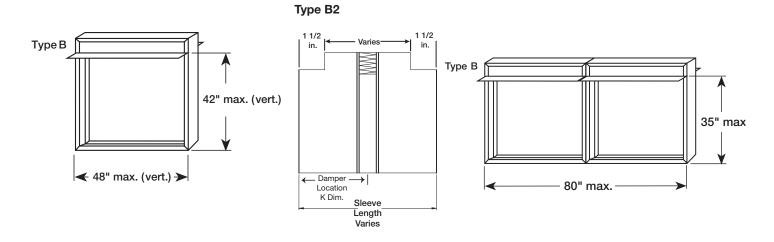


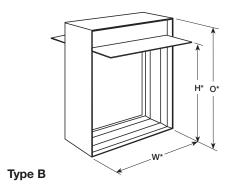


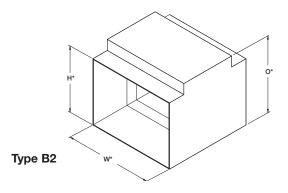


Type B & B2

Dampers larger than maximum single section size are supplied in 2 or more sections of equal size. **Note: All multiple section dampers with transitions, will include a factory installed sleeve.**







Type B & B2 Overall Damper Dimensions

H*	O*
3 (76)	5 (127)
4 (102)	6 (152)
5 (127)	7 (178)
6 (152)	8 (203)
7 (178)	9 (229)
8 (203)	10 (254)
9 (229)	11 (279)
10 (254)	12 (305)
11 (279)	13 (330)
12 (305)	14 (356)
13 (330)	15 (381)
14 (356)	16 (406)
15 (381)	18 (457)
16 (406)	19 (483)
17 (432)	20 (508)
18 (457)	21 (533)
19 (483)	22 (559)
20 (508)	23 (584)
21 (533)	24 (610)
22 (559)	26 (660)

H*	O*
23 (584)	27 (686)
24 (610)	28 (711)
25 (635)	29 (737)
26 (660)	30 (762)
27 (686)	31 (787)
28 (711)	32 (813)
29 (737)	33 (838)
30 (762)	34 (864)
31 (787)	36 (914)
32 (813)	37 (940)
33 (838)	38 (965)
34 (864)	39 (991)
35 (889)	40 (1016)
36 (914)	41 (1041)
37 (940)	42 (1067)
38 (965)	44 (1118)
39 (991)	45 (1143)
40 (1016)	46 (1168)
41 (1041)	47 (1194)
42 (1067)	48 (1219)

^{*} Dimensions are inches (mm). These dimensions are furnished approximately ½ in. (6mm) undersize. (All 'H' dimensions larger than single section height are two sections high. Refer to chart.)

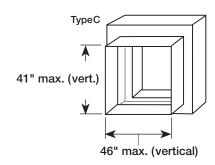
Type C, CO, CR, & R

Dampers larger than maximum single section size are supplied in 2 or more sections of equal size. **Note:** All multiple section dampers with transitions, will include a factory installed sleeve.

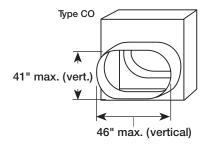
Inches	Type CR		Type C & CO		Type R*1	
(mm)	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Single Section	3	41	3 x 3	46 x 41	3	46
Vertical	(76)	(1041)	(76 x 76)	(1168 x 1041)	(76)	(1219)
Single Section	3	34	3 x 3	38 x 34	3	38
Horizontal	(76)	(864)	(76 x 76)	(965 x 864)	(76)	(1016)
Multi-Section	NA	NA	NA)	78 X 34	NA	NA
Horizontal**	INA	INA	NA)	(1981 X 864)	NA	NA

^{**} Consult factory for number of sections.

^{*1} With 2 in. (51mm) offset. Sizes adjust with an 1 in. (25mm) offset.

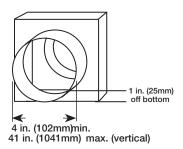


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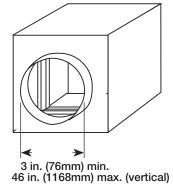


C, CO, CR transitions are positioned 1 in. (25mm) from bottom of sleeve

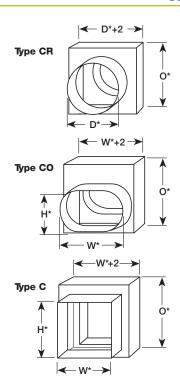
Type CR







 $^{^{\}star}$ All multiples section dampers, with transitions, will include a factory installed sleeve.



H* or D*	O*	H* or D*	O*
3 (76)	6 (152)	23 (584)	28 (711)
4 (102)	7 (178)	24 (610)	29 (737)
5 (127)	8 (203)	25 (635)	30 (762)
6 (152)	9 (229)	26 (660)	31 (787)
7 (178)	10 (254)	27 (686)	32 (813)
8 (203)	11 (279)	28 (711)	33 (838)
9 (229)	12 (305)	29 (737)	34 (864)
10 (254)	13 (330)	30 (762)	36 (914)
11 (279)	14 (356)	31 (787)	37 (940)
12 (305)	15 (381)	32 (813	38 (965)
13 (330)	16 (406)	33 (838)	39 (991)
14 (356)	18 (457)	34 (864)	40 (1016)
15 (381)	19 (483)	35 (889)	41 (1041)
16 (406)	20 (508)	36 (914)	42 (1067)
17 (432)	21 (533)	37 (940)	44 (1118)
18 (457)	22 (559)	38 (965)	45 (1143)
19 (483)	23 (584)	39 (991)	46 (1168)
20 (508)	24 (610)	40 (1016)	47 (1194)
21 (533)	26 (660)	41 (1041)	48 (1219)
22 (559)	27 (686)		

 $^{^\}star$ Dimensions are inches (mm). These dimensions are furnished approximately $^{1\!\!/}_4$ in. (6mm) undersize, except round and oval dimensions (D, H, W) are approximately $^{1\!\!/}_8$ in. (3mm) undersize. (All 'H' dimensions larger than single section height are two sections high. Refer to chart.)

