

Application

Model FD-150X series are approved for use in walls, floors, and partitions with fire resistance ratings less than 3 hours. This model carries a 1½ 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 a fire.

Ratings

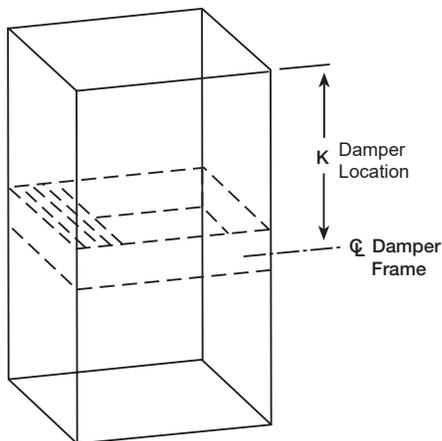
UL 555 Fire Resistance Rating

Fire Rating: 1½ hours

Construction

	Standard	Optional
Frame Material	Galvanized steel*	-
Blade Material	Galvanized steel*	-
Closure Spring	Stainless steel	-
Fusible Link	165°F (74°C)	212°F (100°C)
Mounting	Vertical	Horizontal

* in gauges required by UL listing R13317



Note: Horizontal dampers must be installed with the “K” dimension on the top side as shown (per UL test: see label on damper). Horizontal dampers must have the access door installed on the top side to facilitate re-opening of the blades should the link melt.



* These dimensions are furnished approximately ¼ in. (6mm) undersize.



See complete marking on product.
UL 555 Classification R13317

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

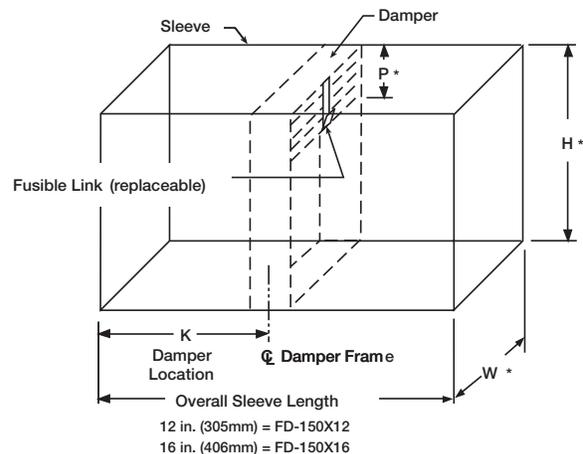
National Fire Protection Association

NFPA Standards 80, 90A, & 101

International Building Codes (IBC)

California State Fire Marshal

Listing #3225-981:102



VERTICAL MOUNT

Options and Accessories

- [Breakaway connections](#)
- Clean wrap
- Closed indicator switch
- Flanges
- [Grille tabs](#)
- [Retaining angles](#)
- Transitions: B, C, CO, CR, and R

Document Links



[INSTALLATION](#)



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[SELECTION GUIDE](#)



[SPECIFICATIONS](#)



[WARRANTY](#)



[INSTALLATION SOLUTIONS](#)

Type A & B

FD-150X series are supplied as single section only.

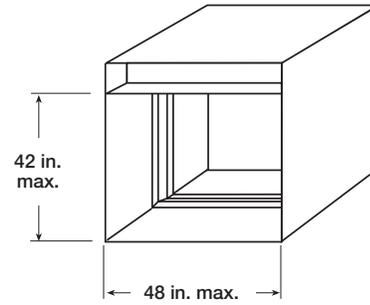
The following chart and illustrations show minimum and maximum damper section size and assembly configurations for multi-section dampers.

Size Limitations

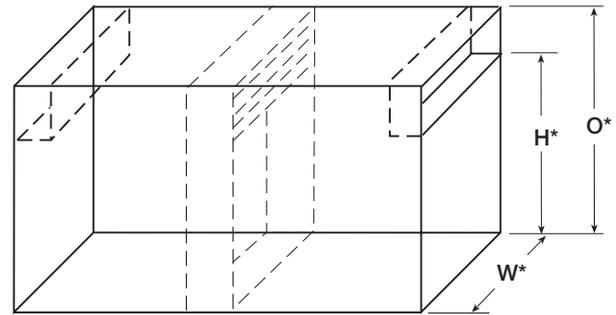
Inches (mm)	Type A	Type B
	Vertical or Horizontal	
	Single Section	
Minimum	8 x 8 (203 x 203)	8 x 6 (203 x 152)
Maximum	48 x 48 (1219 x 1219)	48 x 42 (1219 x 1067)

Installation of sizes larger than the maximum shown requires approval of the authority having jurisdiction.

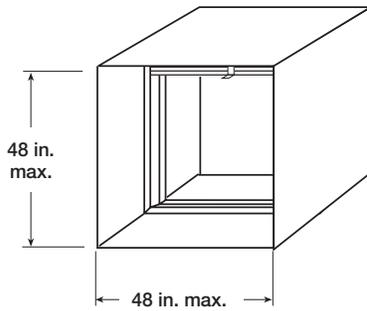
Maximum Single Section Dimensions Type B



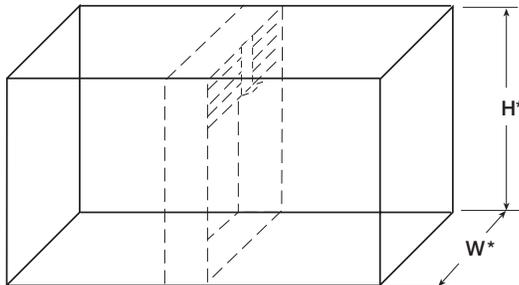
Type B



Maximum Single Section Dimensions Type A



Type A



Type B Overall Damper Dimensions

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

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

Type C, CO, CR & R

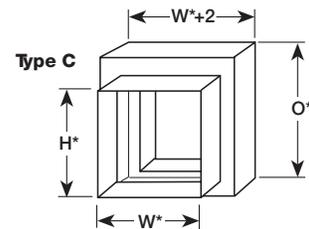
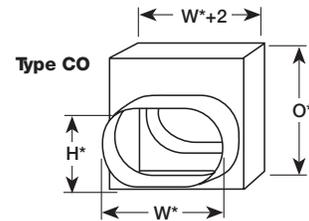
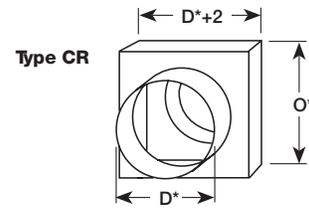
FD-150 X Series Static Fire Damper With Sleeves

Factory sleeved FD-150X series dampers are available only as single section dampers.

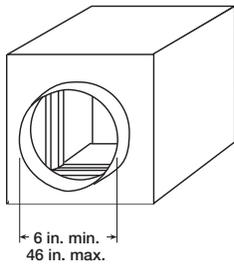
Inches (mm)	C & CO		CR		R* ¹	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Vertical or Horizontal	6 x 5 (152 x 127)	46 x 41 (1168 x 1041)	6 (152)	41 (1041)	6 (152)	46 (1168)

*1 With 2 in. (51mm) offset. Sizes adjust with 1 in. (25mm) offset.

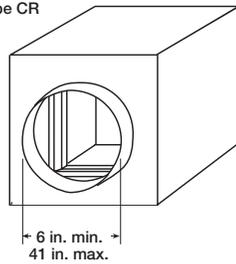
C, CO, CR transitions are positioned 1 in. (25mm) from bottom of sleeve.



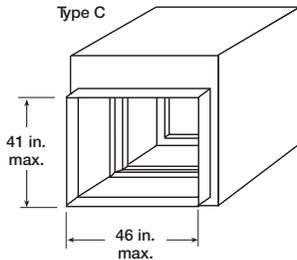
Type R



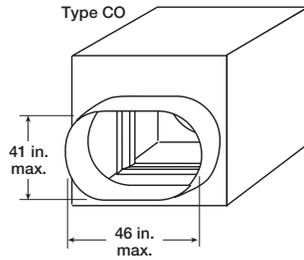
Type CR



Type C



Type CO



H* or D*	O*	H* or D*	O*
5 (127)	8 (203)	24 (610)	29 (737)
6 (152)	9 (229)	25 (635)	30 (762)
7 (178)	10 (254)	26 (660)	31 (787)
8 (203)	11 (279)	27 (686)	32 (813)
9 (229)	12 (305)	28 (711)	33 (838)
10 (254)	13 (330)	29 (737)	34 (864)
11 (279)	14 (356)	30 (762)	36 (914)
12 (305)	15 (381)	31 (787)	37 (940)
13 (330)	16 (406)	32 (813)	38 (965)
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15 (381)	19 (483)	34 (864)	40 (1016)
16 (406)	20 (508)	35 (889)	41 (1041)
17 (432)	21 (533)	36 (914)	42 (1067)
18 (457)	22 (559)	37 (940)	44 (1118)
19 (483)	23 (584)	38 (965)	45 (1143)
20 (508)	24 (610)	39 (991)	46 (1168)
21 (533)	26 (660)	40 (1016)	47 (1194)
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*Dimensions are in inches (mm). These dimensions are furnished approximately 1/4 in. (6mm) undersize.

