

## Model FD-355 Types CR, CO & C

**100% Free Area - Sealed for High Pressure**  
**3 Hour Fire Resistance Rating**

### APPLICATION

Model FD-355 is approved for use in walls, floors 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.

### CONSTRUCTION

Galvanized steel (in gauges required by UL listing R-13317)

### INSTALLATION

All fire damper installations require the use of sleeves, angles and methods described in Greenheck Fire Damper Installation Instructions #452763, included with every damper shipment. Sleeves can be field fabricated or factory furnished as a complete damper/sleeve assembly. See Factory Sleeve Option below for details.

Model FD-355 meets the requirements for fire dampers established by:

**National Fire Protection Association**  
 (NFPA Standards 90A & 101)

**Underwriters Laboratories Standard 555** (Listing #R-13317)

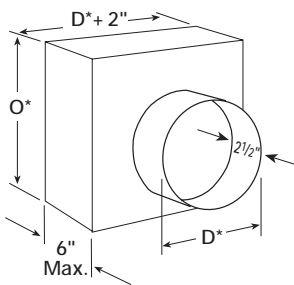
**BOCA National Building Codes**

**ICBO Uniform Building Codes** (UBC Standard 43-7)

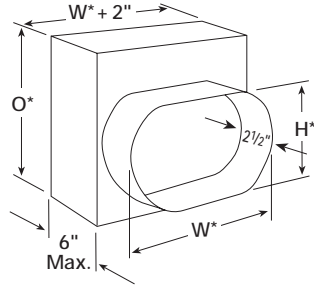
**SBCCI Standard Building Codes**

**New York City** (MEA listing #260-91-M)

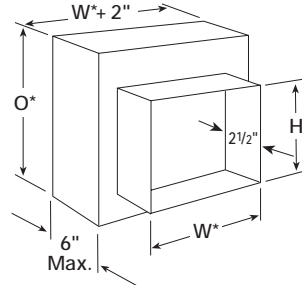
**California State Fire Marshall**  
 (Listing #3225-981:102 for use in walls)



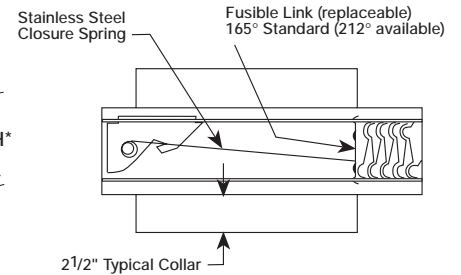
**TYPE CR**



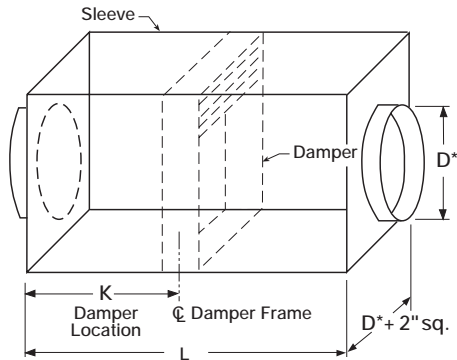
**TYPE CO**



**TYPE C**



\* These dimensions are furnished approximately 1/4" undersize except round and oval dimensions which are approximately 1/8" undersize.



### FACTORY SLEEVE OPTION

FD-355 Fire Dampers are available in factory furnished sleeves. Sleeves are galvanized steel and are available in 10 thru 20 ga. thicknesses and lengths up to 36".

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

Qty.	Type CR CO C	Mount (V) Vert. (H) Horz.	Damper Size		Fusible Link Temp (165° F std.)	Factory Sleeve Option					
			W* D*	H*		Dimensions		Gauge	Material		
						L	K				

Project

Location

Contractor

Design Specifier

# FD-355 Types CR, CO & C

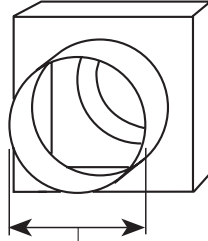
## SIZING AND ASSEMBLY DATA

Dampers larger than maximum single section size are supplied as a factory assembly of two or more sections of equal size. These multi-section damper assemblies may have slightly less than 100% free area because of the mullions where damper sections join.

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

### SIZE LIMITATIONS (CR)

	Vertical	Horizontal
Minimum	3" dia.	4" dia.
Maximum	42" dia.	34" dia.



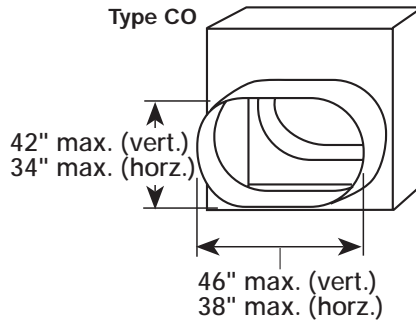
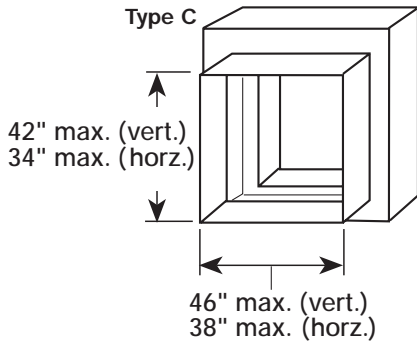
42" max. (vert.)  
34" max. (horz.)

### SIZE LIMITATIONS (C and CO)

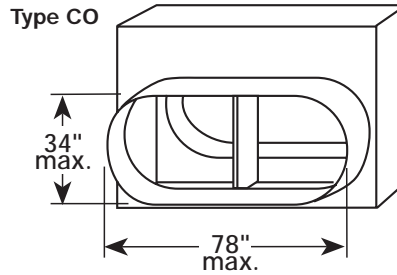
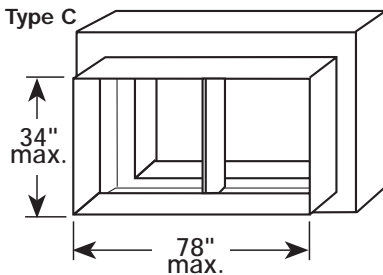
	Vertical		Horizontal	
	Single Section	Multi Section	Single Section	Multi Section
Minimum	3"x3"	NA	3"x3"	NA
Maximum	46"x42"	NA	38"x34"	78"x34"

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

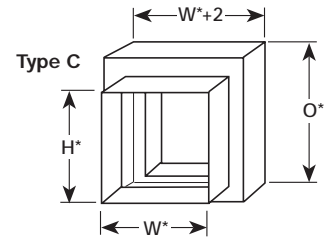
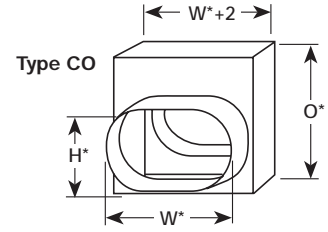
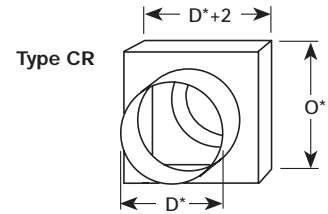
### Maximum Single Section Dimensions



### Multi-Section Limitations (horizontal only)



### Overall Damper Dimensions



H* or D*	O*
3"	6"
4	7
5	8
6	9
7	10
8	11
9	12
10	13
11	14
12	15
13	16
14	17
15	19
16	20
17	21
18	22
19	23
20	24
21	25
22	27
23	28
24	29
25	30
26	31
27	32
28	33
29	34
30	35
31	36
32	37
33	39
34	40
35	41
36	42
37	43
38	44
39	45
40	46
41	47
42	48

\*These dimensions are furnished approximately 1/4" undersize, except round and oval dimensions which are approximately 1/8" undersize.