

MODEL D19-OOW

4 7/8" Deep • 1 1/2 Hour • Out Of Wall • Vertical Mount • Dynamic Fire Damper

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 22-GA galvanized steel, one-piece rollformed
- BLADE:** 22-GA galvanized steel, curtain type
- FUSIBLE LINK:** UL-Listed 165°F; Replaceable
- CLOSURE SPRINGS:** Heat-treated Type 301 stainless steel constant force coiled negator type
- SLEEVE:** 20-GA galvanized steel:
 - 8" long sleeve (1 1/2" grille clearance)
 - 10" long sleeve (3 1/2" grille clearance),
 - 12" long sleeve (5 1/2" grille clearance)
 - 14" long sleeve (7 1/2" grille clearance)
 - with a 7/8" front flange.
 - Factory installed insulation on 3 sides

FINISH: Mill

OPTIONS

- Sleeve gage 18, 16, or 14
- 212°F Replaceable Fusible Link
- PK1202 Position Indicator Switch
- B-Pan, Round, Oval, or Square Transitions (non-flange side only)
- Tab-Lock Retaining Angles

NOTES

Dampers are provided 1/4" undercut.

DAMPER SIZES

2000 fpm, 4in. Wg.		
Orientation	Vertical	Vertical (wall)
Panels	Min Panel	Max Single Panel
D19A OOW	4"W x 4"H	36" W x 36"H
D19B OOW	4"W x 3"H (duct)	36"W x 32"H (duct)
	4"W x 5"H (frame)	36"W x 36"H (frame)
D19C OOW	4"W x 4"H (duct)	34"W x 31"H (duct)
	6"W x 7"H (frame)	36"W x 36"H (frame)

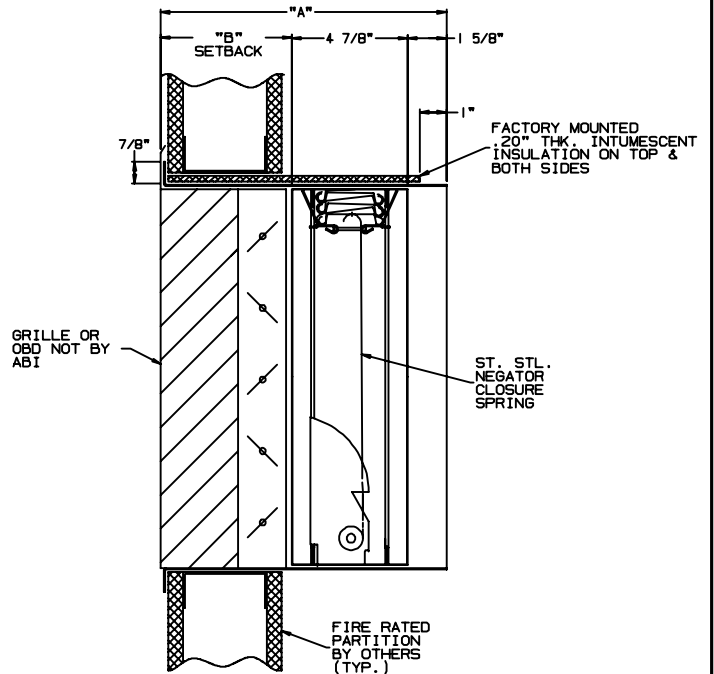
A Dimension	B Dimension
8" long sleeve	1-1/2" grille clearance
10" long sleeve	3-12" grille clearance
12" long sleeve	5-1/2" grille clearance
14" long sleeve	7-1/2" grille clearance

UNDERWRITERS LABORATORIES INC.®
 CLASSIFIED DYNAMIC FIRE DAMPER
 FIRE RESISTANCE RATING 1 1/2 HR

abi air balance **FILE #R4708**

This fire damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standard 555
- National Fire Protection Association Standard 80 and 90A
- ICC's International Building Code
- California State Fire Marshal Listing #3225-1328:0100
- Underwriters Laboratories Inc. Approved for dual direction airflow and dynamic conditions.
- Underwriters Laboratories Inc. Classified for use in fire resistive ratings of less than 3 hours.



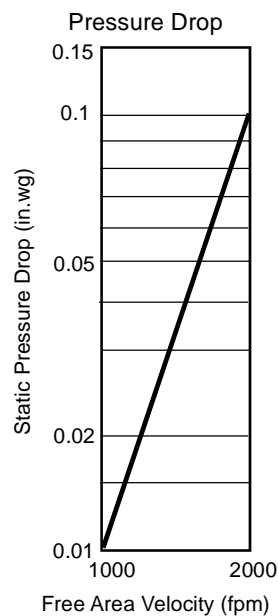
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Free Area D19-OOW

		Width							
		8	12	16	20	24	28	32	36
Height	8	.2	.4	.6	.7	.9	1.0	1.2	1.4
	12	.4	.7	.9	1.2	1.5	1.8	2.0	2.3
	16	.6	.9	1.3	1.7	2.0	2.4	2.8	3.1
	20	.7	1.2	1.7	2.1	2.6	3.1	3.5	4.0
	24	.9	1.4	2.0	2.6	3.2	3.7	4.3	4.9
	28	1.0	1.7	2.4	3.0	3.7	4.4	5.0	5.7
	32	1.2	2.0	2.7	3.5	4.3	5.1	5.8	6.6
	36	1.3	2.2	3.1	4.0	4.8	5.7	6.6	7.4

$$\text{Free Area Velocity (fpm)} = \frac{\text{Flow (cfm)}}{\text{Free Area (sq.ft.)}}$$



For Free Area and Pressure Drop information for the B-Pan Transition see SI-BPAN.
 For Free Area and Pressure Drop information for the Round, Oval or Square Transition see SI-TRFD.