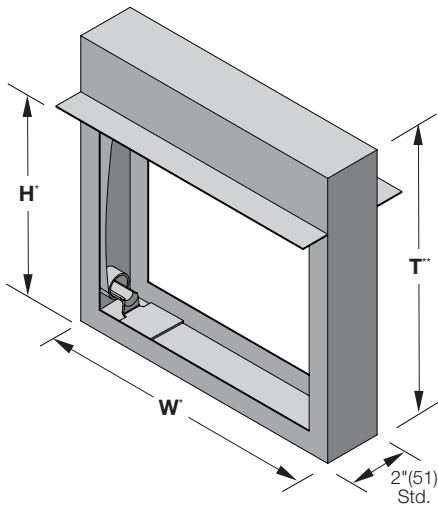




FD-2D-B
(standard)

*Damper dimensions furnished approximately 1/4" (6) undersize.

Options

■ Velocity Rating

- 2,000 fpm (10.2m/s) 4,000 fpm (20.3 m/s)

■ Factory-installed sleeve:

Gauge: 20(1.0) 18(1.3) 16(1.6) 14(2.0) 10(3.5)

Length: 12"(305) 16"(406) 24"(610) Other _____

■ Transitions:

- Round Oval
- Duct connections (sleeve required):
 - 1"(25) S-clip DM-25 DM-35 WARD

■ Retaining angle system:

Gauge: 20 (1.0) 16 (1.6)

Picture Frame: SSPF (Single-side) DSPF (2-sided)

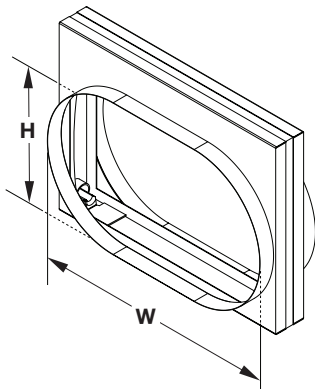
Individual Angle Set: SS (Single-side) DS (2-sided)

■ Alternate fire closure temperature:

- 212°F (100°C)

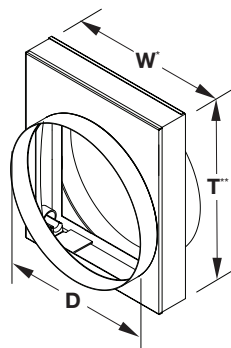
■ Duct access door factory mounted in common sleeve

■ Generic mullion for oversized masonry or concrete openings



Type BO (Optional)

Oval duct transitions are standard with W and H equal to damper width and height dimensions. (available with W and H smaller than damper width and height)



Type BR (Optional)

Round duct transitions are standard with D=W=H. (available with D<W and H)

The FD-2D-B fire damper employs curtain style blades for point-of-origin control of fire in static and dynamic HVAC systems. The FD2B is qualified to 4,000 ft/min (20.3 m/s) and 4 in.wg. (1.0 kPa) and may be installed in vertical walls or partitions with fire resistance ratings up to 2 hours.

Ratings

UL 555 Fire Resistance Rating: 1-1/2 Hour (vertical)

UL HNLJ.V-5: Ventilation Duct Assemblies

Maximum Dynamic Closure Velocity: 4,000 fpm (20.3 m/s)
2,000 fpm (10.2 m/s) Multiple Section

Maximum UL555S Rated Pressure: 4 in.wg. (1.0 kPa)

Listings

UL 555 listing: R14981

CAN/ULC S112 listing: R14981

CSFM listing: 3225-1404:101

New York City MEA listing: 295-98-E

Meets NFPA Standards: 90A, 92A, 92B and 101

Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC



Standard Construction

Frame: 22 gauge (0.85) galvanized steel

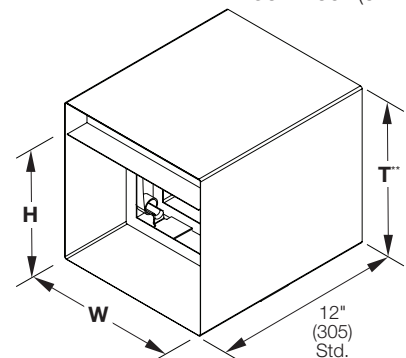
Blades: 24 gauge (0.7) galvanized steel – curtain style

Fire Closure Device: Fusible link

Fire Closure Temperature: 165°F (75°C)

Minimum Size: 6" x 4" (152 x 102)

Maximum Size:
Single section: Vertical: 36" x 40" (914 x 1016)
Multiple section: Vertical: 72" x 29" (1829 x 737)
36" x 65" (914 x 1651)



Sleeve (Optional)

With standard flange
(Typical for use with grille)

Sleeve Type B (Optional)

With standard flange
(Typical for use with grille)

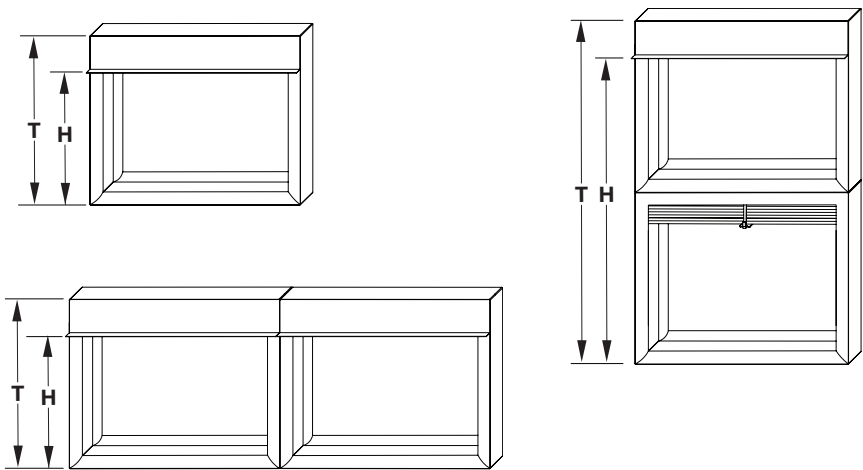
**See table on next page for 'T' dimension

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

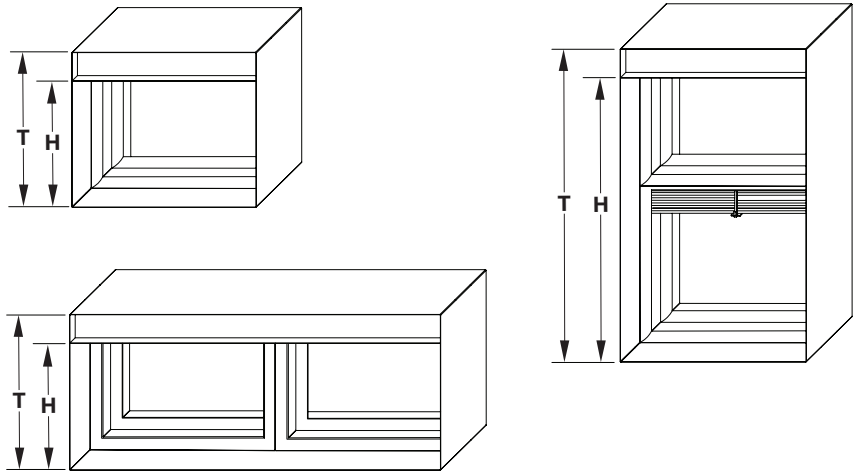
Blade Stack Dimensional Data

FD-2D-B

1-1/2-Hour Rated – Dynamic Fire Damper
Thinline Curtain Style Blade



FD-2D-B
(standard)



Sleeve Style S (Optional)

Nominal Duct Height 'H'	Blade Stack Height 'T'
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)	14" (356)
12" (305)	15" (381)
13" (330)	16" (406)
14" (356)	17" (432)
15" (381)	19" (483)
16" (406)	20" (508)
17" (432)	21" (533)
18" (457)	22" (559)
19" (483)	23" (584)
20" (508)	25" (635)
21" (533)	26" (660)
22" (559)	27" (686)
23" (584)	28" (711)
24" (610)	29" (737)
25" (635)	31" (787)
26" (660)	32" (813)
27" (686)	33" (838)
28" (711)	34" (864)
29" (737)	36" (914)
30" (762)	37" (940)
31" (787)	38" (965)
32" (813)	39" (991)
33" (838)	40" (1016)

Nominal Duct Height 'H'	Blade Stack Height 'T'
34" (864)	41" (1041)
35" (889)	42" (1067)
36" (914)	43" (1092)
37" (940)	45" (1143)
38" (965)	46" (1168)
39" (991)	47" (1194)
40" (1016)	48" (1219)
41" (1041)	49" (1245)
42" (1067)	50" (1270)
43" (1092)	51" (1295)
44" (1118)	52" (1321)
45" (1143)	53" (1346)
47" (1194)	55" (1397)
48" (1219)	54" (1372)
49" (1245)	55" (1397)
50" (1270)	56" (1422)
51" (1295)	57" (1448)
52" (1321)	58" (1473)
53" (1346)	59" (1499)
54" (1372)	60" (1524)
55" (1397)	61" (1549)
56" (1422)	62" (1575)
57" (1448)	63" (1600)
58" (1473)	64" (1626)
59" (1499)	65" (1651)
60" (1524)	67" (1702)
61" (1549)	68" (1727)
62" (1575)	69" (1753)
63" (1600)	70" (1778)
64" (1626)	71" (1803)
65" (1651)	72" (1829)