

Application

The FD2B fire damper employs out of the air stream thinline curtain style blades for point-of-origin control of fire in static HVAC systems. The FD2B may be installed in vertical walls or partitions with fire resistance ratings up to 2 hours.

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:** 4" × 2" (102 × 51)
- Maximum Size:** Single section: 36" × 40" (914 × 1016)
 Multiple section: 36" × 65" (914 × 1651) or
 72" × 29" (1829 × 737)

Options

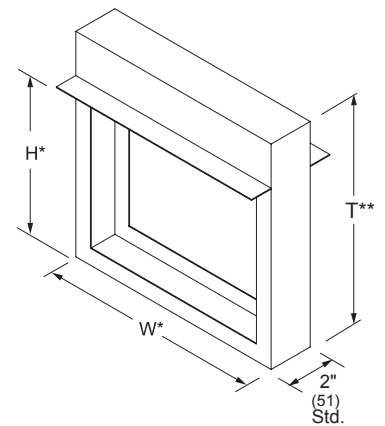
- Factory installed sleeve:
 - Gauge: 20 (1.0) 18 (1.3) 16 (1.6) 14 (2.0) 10 (3.5)
 - Length: 12" (305) 16" (406) 24" (610) Other ____
- Transitions:
 - Round Oval
 - Duct connections (sleeve required):
 - 1" (25) S-clip 1½" (38) S-clip DM-25 DM-35 WARD
- Retaining angle systems:
 - Gauge: 20 (1.0) 16 (1.6)
 - Picture frame: SSPF (single-side) DSPF (2-side)
 - Individual angle sets: SS (single-side) DS (2-side)
- Alternate fire closure temperature.
 - 212°F (100°C)
- Duct access door factory mounted in common sleeve.
- Generic mullion for oversized masonry or concrete openings.

Ratings

UL 555 Fire Resistance Rating: 1½ hour (vertical)

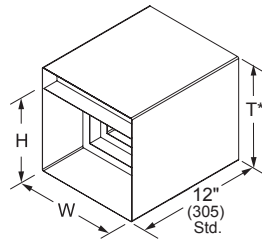
Listings

- UL 555 listing:** R14981
- CSFM listing:** 3225-1404:101
- Meets NFPA Standards:** 90A, 92A, 92B and 101
- Meets Building Code Standards:** IBC, NBC, NFPA, SBC and UBC



Model FD2B
(standard)

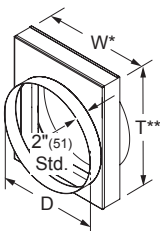
*Damper dimensions furnished approximately 1/4" (6) undersize.



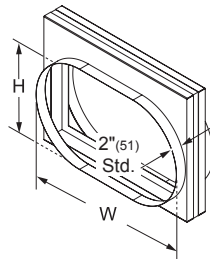
Sleeve Type B (optional)

†Damper dimensions furnished approximately 1/8" (3) undersize.

Curtain Dampers **FD2B** (1/2) November 2010



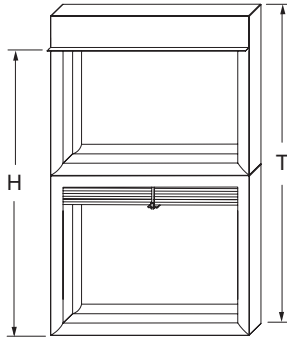
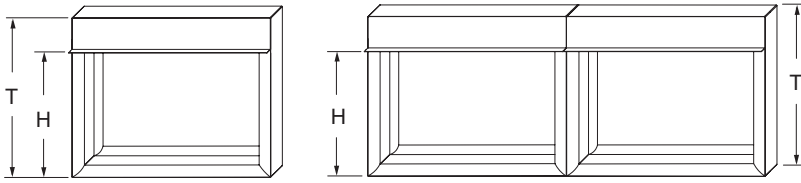
Type BR (optional)
 Round duct transitions are standard with D=W. (available with D<W)



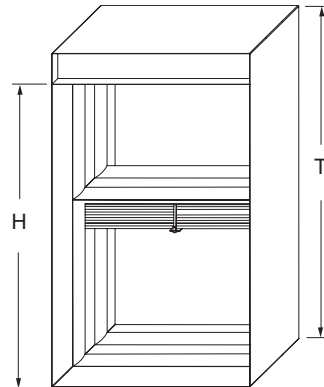
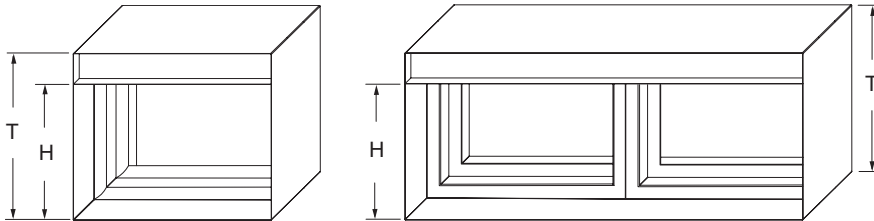
Type BO (optional)
 Oval duct transitions are standard with W equal to damper width dimension. (available with W smaller than damper width)

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

Damper Height Dimensional Data



Model **VFD-10-TLB**
(standard)



Sleeve Style S
(optional)

Nominal Duct Height 'H'	Damper Height 'T'	Nominal Duct Height 'H'	Damper Height 'T'
2" (51)	4" (102)	34" (864)	41" (1041)
3" (76)	5" (127)	35" (889)	42" (1067)
4" (102)	6" (152)	36" (914)	43" (1092)
5" (127)	7" (178)	37" (940)	45" (1143)
6" (152)	8" (203)	38" (965)	46" (1168)
7" (178)	9" (229)	39" (991)	47" (1194)
8" (203)	10" (254)	40" (1016)	48" (1219)
9" (229)	11" (279)	41" (1041)	49" (1245)
10" (254)	12" (305)	42" (1067)	50" (1270)
11" (279)	14" (356)	43" (1092)	51" (1295)
12" (305)	15" (381)	44" (1118)	52" (1321)
13" (330)	16" (406)	45" (1143)	53" (1346)
14" (356)	17" (432)	46" (1168)	54" (1372)
15" (381)	19" (483)	47" (1194)	55" (1397)
16" (406)	20" (508)	48" (1219)	54" (1372)
17" (432)	21" (533)	49" (1245)	55" (1397)
18" (457)	22" (559)	50" (1270)	56" (1422)
19" (483)	23" (584)	51" (1295)	57" (1448)
20" (508)	25" (635)	52" (1321)	58" (1473)
21" (533)	26" (660)	53" (1346)	59" (1499)
22" (559)	27" (686)	54" (1372)	60" (1524)
23" (584)	28" (711)	55" (1397)	61" (1549)
24" (610)	29" (737)	56" (1422)	62" (1575)
25" (635)	31" (787)	57" (1448)	63" (1600)
26" (660)	32" (813)	58" (1473)	64" (1626)
27" (686)	33" (838)	59" (1499)	65" (1651)
28" (711)	34" (864)	60" (1524)	67" (1702)
29" (737)	35" (889)	61" (1549)	68" (1727)
30" (762)	36" (914)	62" (1575)	69" (1753)
31" (787)	38" (965)	63" (1600)	70" (1778)
32" (813)	39" (991)	64" (1626)	71" (1803)
33" (838)	40" (1016)	65" (1651)	72" (1829)