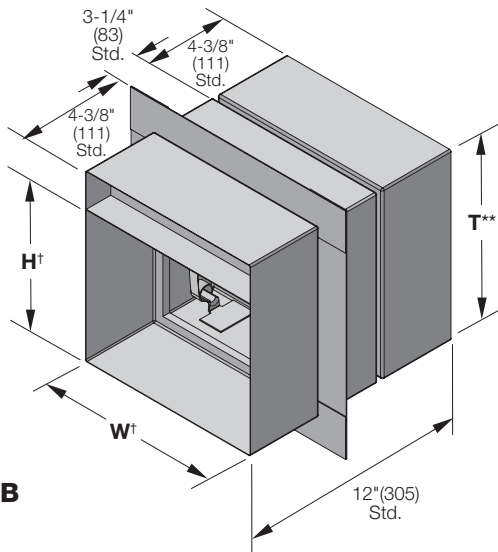


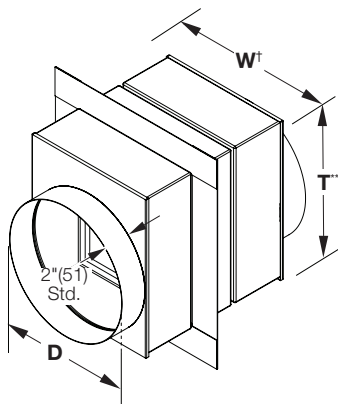


FD-4D-IMB
(standard)

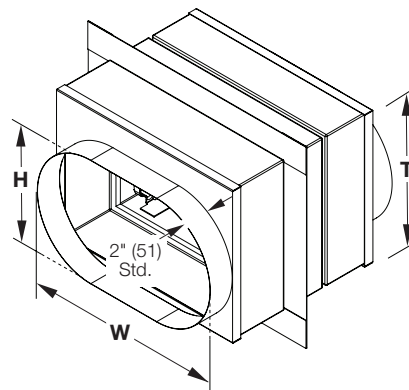
†Damper dimensions furnished approximately 1/8" (3) undersize.

Options

- **Alternate sleeve/frame length:**
 - 16" (406) ▪ Other _____
- **Transitions:**
 - Round ▪ Oval
 - Duct connections (sleeve required):
 - 1" (25) S-clip ▪ DM-25 ▪ DM-35 ▪ WARD
- **Alternate fire closure temperature:**
 - 212°F (100°C)
- **Generic mullion for oversized masonry or concrete openings**
- **PI-10** (Blade closure indication switch package):
 - External mount (sleeve required) ▪ Internal mount ▪ Loose



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 and H equal to damper width and height dimensions. (available with W and H smaller than damper width and height)

The FD-4D-IMB fire damper employs out of the air stream curtain style blades and a factory installed integral mounting angle for point-of-origin control of fire in static and dynamic HVAC systems. The integral mounting angle is designed and approved to be fastened directly to the fire separation and may be installed under the drywall in metal stud construction. The FD-4D-IMB is qualified to 4,000 ft/min (20.4 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)
- Maximum Dynamic Closure Velocity:** 4,000 fpm (20.4 m/s)
- 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



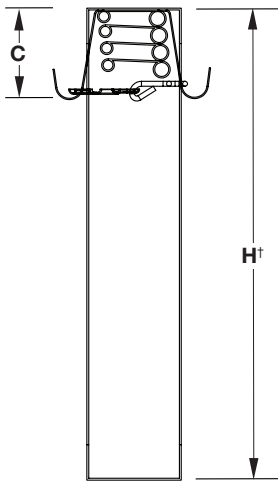
Standard Construction

- Sleeve/Frame:** Integral 12" x 20 gauge (305 x 1.0) galvanized steel with 1-1/2" x 20 gauge (38 x 1.0) galvanized steel integral single side mounting angle
- Blades:** 24 gauge (0.7) galvanized steel – curtain style
- Fire Closure Device:** UL listed fusible link
- Fire Closure Temperature:** 165°F (75°C)
- Minimum Size:** 6" x 4" (152 x 102)
- Maximum Size:** Single Section: Vertical: 36" x 44" (914 x 1118)

Blade Stack Dimensional Data

FD-4D-IMB

1-1/2-Hour Dynamic Rated – Fire Damper
Integral Mounting Angle – Curtain Style Blade



Nominal Duct Height 'H'	Damper 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)	13" (330)
12" (305)	14" (356)
13" (330)	15" (381)
14" (356)	16" (406)
15" (381)	17" (432)
16" (406)	18" (457)
17" (432)	19" (483)
18" (457)	20" (508)
19" (483)	21" (533)
20" (508)	22" (559)
21" (533)	23" (584)
22" (559)	24" (610)
23" (584)	25" (635)
24" (610)	26" (660)
25" (635)	28" (711)
26" (660)	29" (737)
27" (686)	30" (762)
28" (711)	31" (787)
29" (737)	32" (813)
30" (762)	33" (838)
31" (787)	34" (864)
32" (813)	35" (889)
33" (838)	36" (914)
34" (864)	37" (940)
35" (889)	38" (965)
36" (914)	39" (991)
37" (940)	41" (1041)
38" (965)	42" (1067)
39" (991)	43" (1092)
40" (1016)	44" (1118)
41" (1041)	45" (1143)
42" (1067)	46" (1168)
43" (1092)	47" (1194)
44" (1118)	48" (1219)