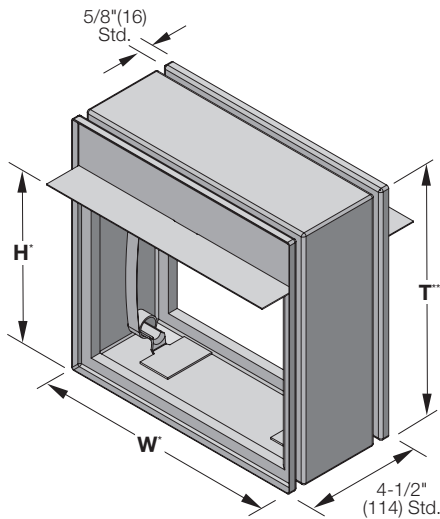




FD-4D-3B
(standard)

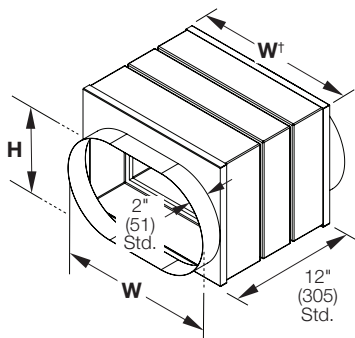
*Damper dimensions furnished approximately 1/4" (6) undersize.

Options

- **Factory-installed sleeve:**
 - Integral
- Gauge: ▪ 20(1.0) ▪ 18(1.3) ▪ 16(1.6) ▪ 14(2.0) ▪ 10(3.5)
- Length: ▪ 12"(305) ▪ 16"(406) ▪ 24"(610) ▪ Other _____
- **Low leakage taped joints** (Integral sleeve required)
- **Transitions:**
 - Round ▪ Oval
 - Duct connections (sleeve required):
 - 1"(25) S-clip ▪ DM-25 ▪ DM-35 ▪ WARD
- **16 ga. (1.6) retaining angle system:**
 - 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**
- **Type-304 stainless steel construction**
- **PI-10** (Blade closure indication switch package):
 - External mount (sleeve required) ▪ Internal mount ▪ Loose

Oval Transitions

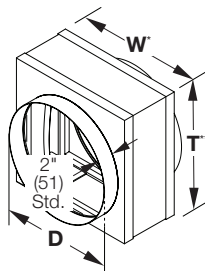
Oval duct transitions are standard with W and H equal to damper width and height dimensions. (available with W and H smaller than damper width and height)



Sleeve Style ISBO
(Optional)

Round Transitions

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



Style BR (Optional)

The FD-4D-3B fire damper employs out of the air stream curtain style blades for point-of-origin control of fire in static and dynamic HVAC systems. The FD-4D-3B 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 4 hours.

Ratings

- UL 555 Fire Resistance Rating:** 3 Hour (vertical)
- UL HNLJ.V-5:** Ventilation Duct Assemblies
- Maximum Dynamic Closure Velocity:** 4,000 fpm (20.3 m/s)
- Maximum UL555S Rated Pressure:** 4 in.wg. (1.0 kPa)

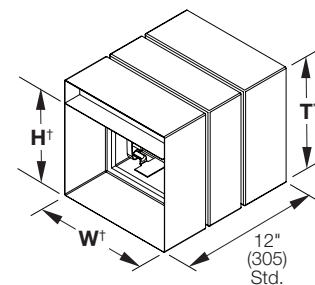
Listings

- 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

- 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:** 36" x 33" (914 x 838)
- Multiple Section:** 108" x 21" (2743 x 533)
- Stainless Steel:** Single Section: 36" x 21" (914 x 533)



Sleeve Style ISB (Optional)

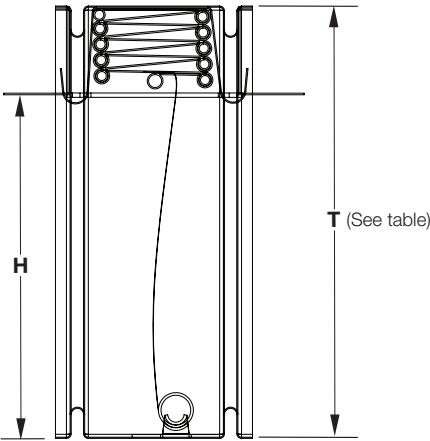
† Damper dimensions furnished approximately 1/8" (3) undersize

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

Blade Stack Dimensional Data

FD-4D-3B

3-Hour Rated – Dynamic Fire Damper
Curtain Style Blade



Damper Width		
Nominal Duct Height 'H'	Galvanized Vertical Mount: 6"(152) - 36"(914)	Galvanized Vertical Mount: 37"(940) - 108"(2743) Stainless Vertical Mount: 6" (152) - 36" (914)
	Damper Height 'T'	Damper Height 'T'
4" (102)	6" (152)	6" (152)
5" (127)	7" (178)	7" (178)
6" (152)	8" (203)	8" (203)
7" (178)	9" (229)	9" (229)
8" (203)	10" (254)	10" (254)
9" (229)	11" (279)	11" (279)
10" (254)	12" (305)	12" (305)
11" (279)	13" (330)	13" (330)
12" (305)	14" (356)	14" (356)
13" (330)	15" (381)	15" (381)
14" (356)	16" (406)	16" (406)
15" (381)	17" (432)	17" (432)
16" (406)	18" (457)	18" (457)
17" (432)	19" (483)	19" (483)
18" (457)	20" (508)	20" (508)
19" (483)	21" (533)	21" (533)
20" (508)	22" (559)	22" (559)
21" (533)	23" (584)	24" (610)
22" (559)	24" (610)	
23" (584)	26" (660)	
24" (610)	27" (686)	
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)	