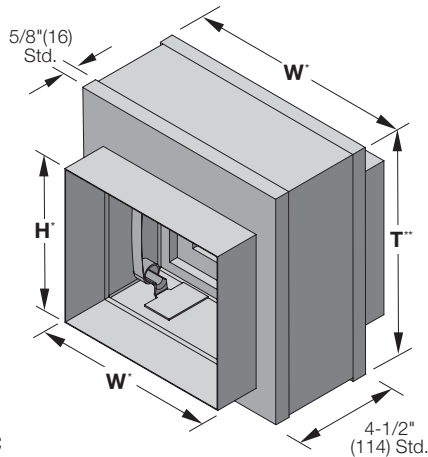




FD-4D-3C
(standard)

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

Options

■ Factory-installed sleeve:

- Integral (Includes high pressure/low leakage taped joints)

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

■ 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

■ Burglar Bars

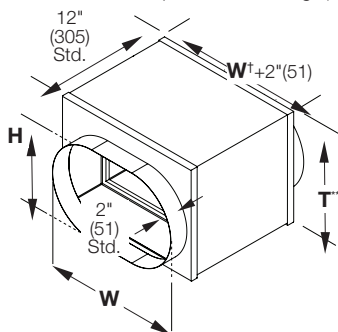
■ Type-304 stainless steel construction

■ PI-10 (Blade closure indication switch package):

- External mount (sleeve required) ■ Internal mount ■ Loose

Oval Transitions

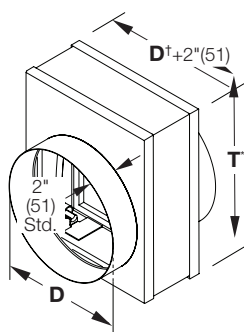
Oval duct transitions are standard with W and H equal to damper width and height dimensions. (available with W and H smaller than damper width and height)



Sleeve Style CO
(Optional)

Round Transitions

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



Style CR (Optional)

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

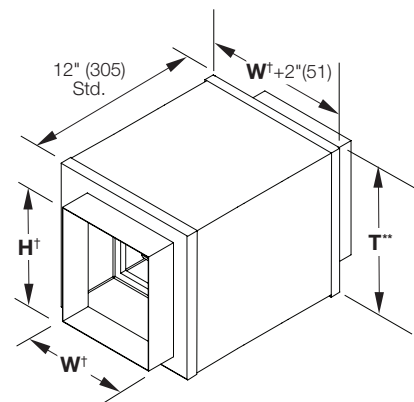
Fire Closure Temperature: 165°F (75°C)

Minimum Size: 4" x 3" (102 x 76)

Maximum Size: 34" x 32" (864 x 813)

Multiple Section: 106" x 20" (2692 x 508)

Stainless Steel: Single Section: 34" x 20" (864 x 508)



Sleeve Style C (Optional)

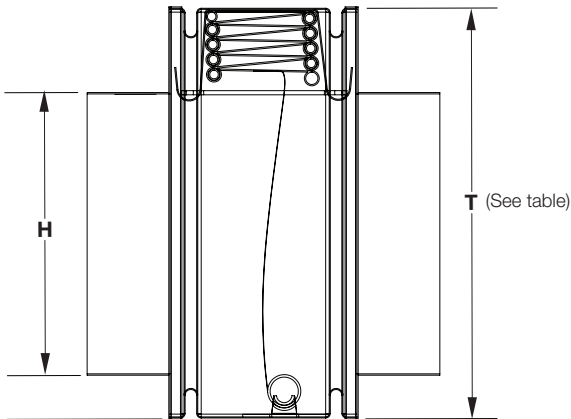
† Damper dimensions furnished approximately 1/8" (3) undersize
** See table on next page for 'T' dimension

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

Blade Stack Dimensional Data

FD-4D-3C

3-Hour Rated – Dynamic Fire Damper
Curtain Style Blade



Damper Width

Nominal Duct Height 'H'	Damper Width	
	Galvanized Vertical Mount: 4"(102) - 34"(864)	Galvanized Vertical Mount: 35"(889) - 108"(2692) Stainless Vertical Mount: 4" (102) - 34" (864)
	Damper Height 'T'	Damper Height 'T'
3" (76)	6" (152)	6" (152)
4" (102)	7" (178)	7" (178)
5" (127)	8" (203)	8" (203)
6" (152)	9" (229)	9" (229)
7" (178)	10" (254)	10" (254)
8" (203)	11" (279)	11" (279)
9" (229)	12" (305)	12" (305)
10" (254)	13" (330)	13" (330)
11" (279)	14" (356)	14" (356)
12" (305)	15" (381)	15" (381)
13" (330)	16" (406)	16" (406)
14" (356)	17" (432)	17" (432)
15" (381)	18" (457)	18" (457)
16" (406)	19" (483)	19" (483)
17" (432)	20" (508)	20" (508)
18" (457)	21" (533)	21" (533)
19" (483)	22" (559)	22" (559)
20" (508)	23" (584)	24" (610)
21" (533)	24" (610)	
22" (559)	26" (660)	
23" (584)	27" (686)	
24" (610)	28" (711)	
25" (635)	29" (737)	
26" (660)	30" (762)	
27" (686)	31" (787)	
28" (711)	32" (813)	
29" (737)	33" (838)	
30" (762)	34" (864)	
31" (787)	35" (889)	
32" (813)	36" (914)	