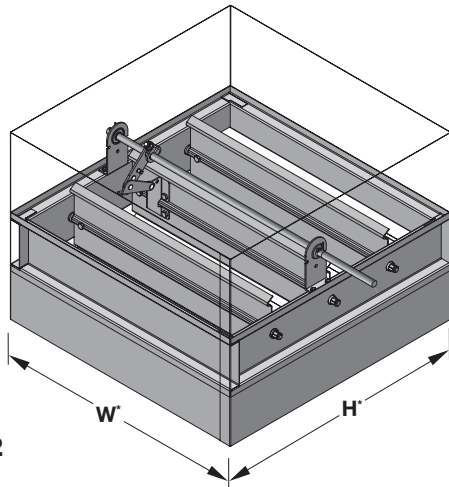


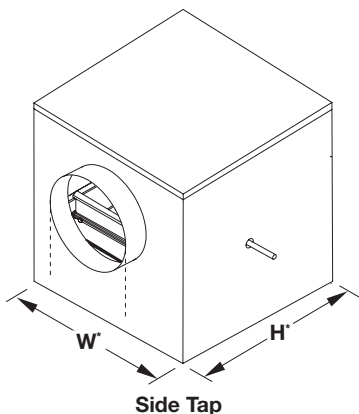


CFS-132
(standard)

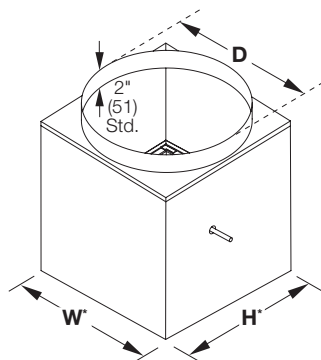
*Damper dimensions furnished approximately 1/4" (6) undersize.
(sleeve thickness not included)

Standard Construction

- Frame:** 5" x 1" (127 x 25) galvanized steel hat channel with interlocking corner gusset. Equivalent to 13 gauge (2.4) channel frame. Low profile head and sill are used on sizes less than 13" (330) high.
- Blades:** 6" x 16 gauge (152 x 1.6) galvanized steel — triple-V
- Sleeve:** 14-5/16" x 20 gauge (364 x 1.0) galvanized steel
- Axles:** 1/2" (13) diameter plated steel hex
- Linkage:** Concealed in frame
- Bearings:** Stainless steel oilite, sleeve-type
- Seals:** Silicone blade edge seals and flexible metal jamb seals
- Actuator:** 120 VAC, power-open, spring-close, external mount
- Fire Closure Device:** HS-10 (electric actuators)
- Fire Closure Temperature:** 165°F (75°C)
- Minimum Size:** 6" x 6" (152 x 152)
- Maximum Size:** Square: 12" x 12" (305 x 305)
Rectangle: 24" (610) W or 12" (305) H
with a maximum area of 144 in.² (929 cm²)



Side Tap



Type R, Top

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

The CFS-132 combination ceiling radiation-smoke and fire-smoke damper employs triple-V blades for point-of-origin control of radiant heat, fire, and smoke in static and dynamic smoke management systems. The CFS-132 is installed horizontally in the ceiling membrane of floor-ceiling or roof-ceiling assemblies with fire resistance ratings up to and including 3 hours and is also qualified for smoke membranes to 2,000 ft/min (10.2 m/s) and 4 in. wg. (1.0 kPa) and may be installed horizontally in floors or assemblies with fire resistance ratings up to 2 hours.

Ratings

- UL 555C Fire Resistance Rating:** 3 hour (horizontal, for use in 1, 2 or 3 hour rated assemblies)
- UL 555 Fire Resistance Rating:** 1-1/2 hour (horizontal)
1 hour (tunnel-type corridor ceiling)
- UL 555S Leakage Class:** 2 [20 cfm/sq.ft. @ 4 in.wg.]
[0.10 m³/s/m² @ 1.0 kPa]
- Maximum Dynamic Closure Velocity:** 2,000 fpm (10.2 m/s)
- Maximum UL555S Rated Pressure:** 4 in.wg. (1.0 kPa)
- Maximum Temperature:** 350° (177°C)

Listings

- UL 555C, 555 and 555S:** R14980 and R14981
- CSFM listing:** 3226-1404:100, 3225-1404:105
and 3230-1404:106

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

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



Options

- **Alternate actuator:** ■ 24 VAC ■ 230 VAC ■ Pneumatic
- **Fire closure device:**
 - HS-10-M (electric actuators) ■ PFV (pneumatic actuators)
- **DRS-30 — Two temperature fire closure device**
(Includes PI-50 switch package)
- **PI-50 — Dual position indicator switch package**
- **Transitions:** ■ Round ■ Oval ■ Square/Rectangular
 - Top ■ Bottom ■ Side: ■ W ■ P ■ S & Drive
- **Blank-off** (top only)
- **Plaster Ground:** ■ 5.8" (16) deep x 5/8" (16) wide std.
 - 1-1/4" (32) deep x 1-1/4" (32) wide
 - 2" (51) deep x 5/8" (16) wide
- **Flange:** ■ 3/4" (19) std. ■ 1" (25)
- **CRB-24 Thermal blanket for steel backed diffuser**
- **Duct smoke detector factory mounted and wired**
 - D4120 (100-4,000 fpm [0.5-20.3 m/s])
 - 2151 (0-3,000 fpm [0-15.2 m/s])
- **Alternate fire closure temperature:**
 - 212°F (100°C) ■ 250°F (121°C)
 - 286°F (141°C) ■ 350°F (177°C)

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

Actuator and Sleeve Dimensional Data

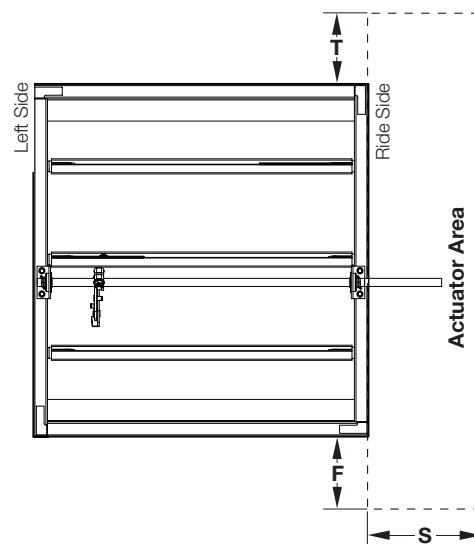
CFS-132

3 hour ceiling • 1-1/2 hour fire • **UL class 2**
Combination Ceiling Radiation-Smoke and Fire-Smoke Damper

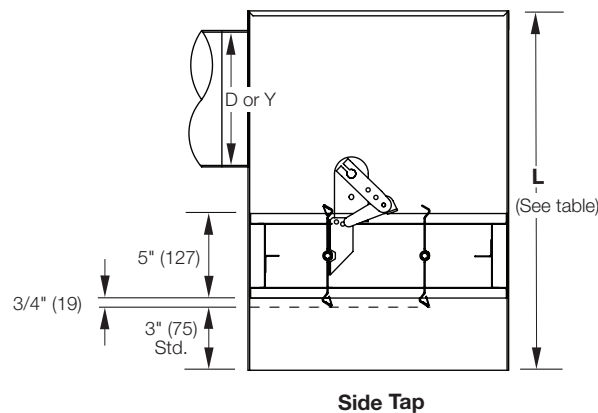
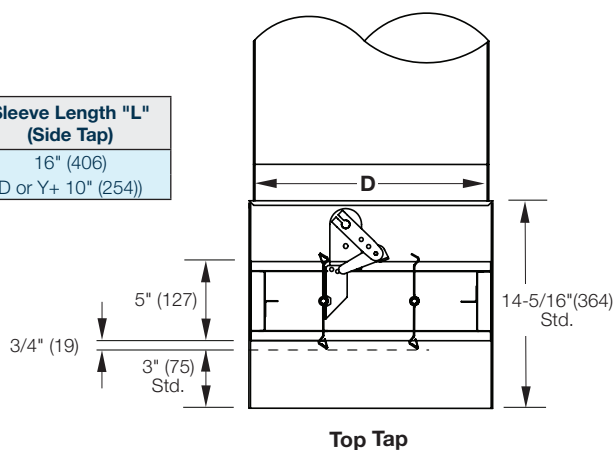
The drawings and corresponding table illustrate the position of the damper when mounted in a factory sleeve and the relative space required for a given actuator. The standard mounting locations provide enough space for installation of retaining angles and duct connections.

	Damper Height	Actuator Model					
		FSLF120 FSLF24	FSNF120 FSNF24	GGD221 GGD121	ML4115 ML8115	331-4826	331-2998
F	6"-7"	5"	7"	9"	5"	9"	13"
	8"-9"	4"	7"	8"	4"	8"	12"
	10"-11"	1"	4"	6"	1"	5"	9"
	12"	0"	3"	5"	0"	4"	8"
T	6" and 10"	3"	3"	3"	3"	3"	3"
	7" and 11"-12"	2"	2"	2"	2"	2"	2"
	8"	1"	1"	1"	1"	1"	1"
	9"	0"	0"	0"	0"	0"	0"
S	All	4-1/2"	4-1/2"	4-1/2"	4-1/2"	5"	7-1/4"
X	<8"	4"	4"	4"	4"	4"	4"
	≥8"	2-5/8"	2-5/8"	2-5/8"	2-5/8"	2-5/8"	2-5/8"
J	<8"	2"	2"	2"	2"	2"	2"
	≥8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"	3-3/8"

NOTE: For dimensions on actuators not shown above, contact factory.



"D" or "Y" Dimension	Sleeve Length "L" (Side Tap)
D or Y ≤ 6" (152)	16" (406)
D or Y > 6" (152)	D or Y + 10" (254)



Typical Duct Transitions

