

**FD/FDD-C Curtain Fire Damper
Square, Round and Oval Transitions
For Use in Static or Dynamic Systems**

APPLICATION

Model FD/FDD Style C (Rectangular/Square), CR (Round) and CO (Oval) Transitions (Blades out of the airstream) 1 ½ or 3 hour UL classified dynamic FDD (fans on) or static (fans off) curtain style fire damper for use in HVAC systems that remain in operation during a fire or FD static (fans off) curtain style fire damper for use in HVAC systems that Shut down during a fire event. Fire dampers are used for the protection of openings in walls, partitions, or masonry floors with fire resistance ratings of less than 3 hours for 1 ½ hour protective rating and 3 hour or more for 3 hour protective rating. The FDD-C can be installed vertically in walls or horizontally in masonry floors and is rated for airflow in either direction.

Standard Construction

FDD-ALB: Dynamic Non- Sleeve or Optional Sleeves of various lengths.

FDD-SALB: Dynamic Integral 12" long Sleeve

FD-ALB: Static Non- Sleeve or Optional Sleeves of various lengths.

FD-SALB: Static Integral 12" long Sleeve

SIZE

See page 2 for FDD Dynamic Sizes

See page 3 for FD Static Sizes

OPTIONS

One Side Mounting Angles - 1 ½ Hour Standard

Two Sides Mounting Angles - Option 1 ½ Hour and 3 Hour Standard

Ratings - EMME R25410

UL 555 Fire Resistance Rating

Fire Rating: 1 ½ Hour (Less than 3 hours wall rating)
3 Hour (3 hours and More rating)

National Fire Protection Association

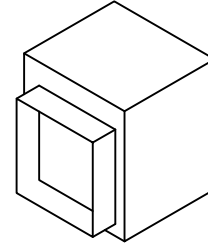
NFPA Standards 80, 90A, 92A, 101 and 5000

ICC International Building Codes

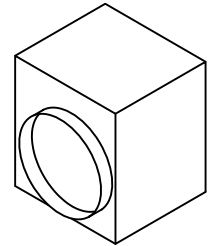
CSFM California State Fire Marshal

Listing 3225-1722:0100

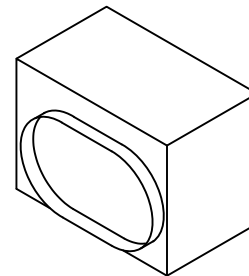
Canada ULC-S112 Fire Damper



Model C - C Style



Model C - CR Style



Model C - CO Style



Notes:

1. Refer to the installation instructions for additional details.
2. Damper are furnished approx. ¼" (6) undersized, unless otherwise noted.
3. Dimensions shown in parentheses () indicate millimeters.



FD/FDD-C, CR and CO Transition Curtain Fire Dampers

DRAWN BY: KSM	DATE: March, 2025	REV. DATE:	REV. NO.	DWG. NO.: PD-017
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S&P reserves the right to change specifications without notice.

FDD-C Dimensional Data

FDD-ALB-C and CO WITHOUT SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

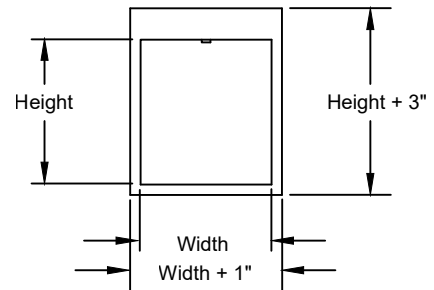
Single Section

Vertical - 35" (889) wide x 33" (838) high.

Horizontal - 23" (584) wide x 21" (533) high

Multi-Section

None



Model C - C Style

FDD-ALB-C and CO WITH SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

Single Section

Vertical - 35" (889) wide x 33" (838) high.

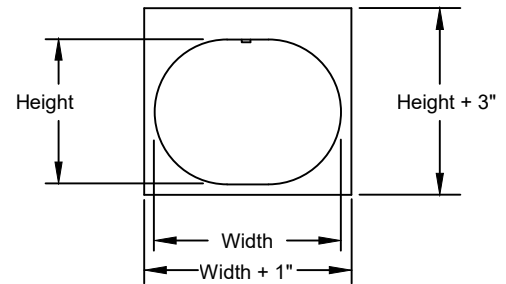
Horizontal - 23" (584) wide x 21" (533) high

Multi-Section

Vertical - 71" (1803) wide x 33" (838) high or

35" (889) wide x 69" (1753) High.

Horizontal - 35" (889) wide x 33" (838) high



Model C - CO Style

FDD-SALB-C and CO WITH SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

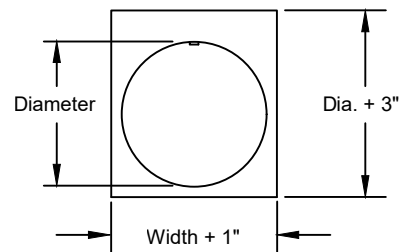
Single Section

Vertical - 35" (889) wide x 33" (838) high.

Horizontal - 23" (584) wide x 21" (533) high

Multi-Section

None



Model C - CR Style

FDD-ALB-CR WITHOUT SLEEVE, FDD-ALB-CR WITH SLEEVE and FDD-SALB SIZING

Minimum: 5" (127) Diameter

Maximum:

Single Section

Vertical - 33" (838) Diameter

Horizontal - 21" (533) Diameter

Multi-Section

None

FD-C Dimensional Data

FD-ALB-C and CO WITHOUT SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

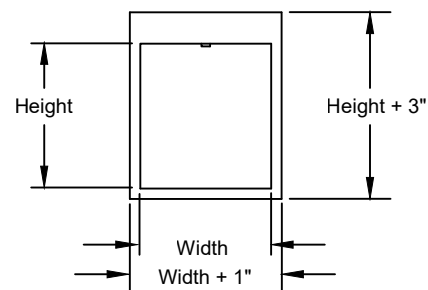
Single Section

Vertical - 59" (1499) wide x 57" (1448) high.

Horizontal - 47" (1194) wide x 45" (1143) high

Multi-Section

None



Model C - C Style

FD-ALB-C and CO WITH SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

Single Section

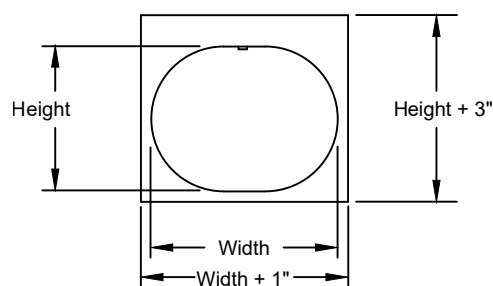
Vertical - 59" (1499) wide x 57" (1448) high.

Horizontal - 47" (1194) wide x 45" (1143) high

Multi-Section

Vertical - 119" (3023) wide x 117" (2972) high

Horizontal - 119" (3023) wide x 45" (1143) high



Model C - CO Style

FD-SALB-C and CO WITH SLEEVE SIZING

Minimum: 5" (127) wide x 3" (76.2) high

Maximum:

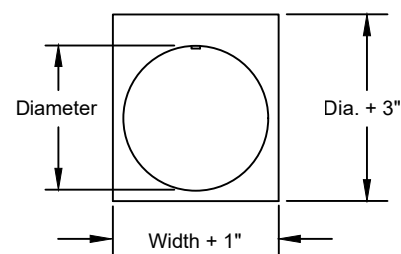
Single Section

Vertical - 59" (1499) wide x 57" (1448) high.

Horizontal - 47" (1194) wide x 45" (1143) high

Multi-Section

None



Model C - CR Style

FD-ALB-CR WITHOUT SLEEVE, FDD-ALB-CR WITH SLEEVE and FDD-SALB SIZING

Minimum: 5" (127) Diameter

Maximum:

Single Section

Vertical - 57" (1448) Diameter

Horizontal - 45" (1143) Diameter

Multi-Section

Vertical - 117" (2972) Diameter

None

