

FD/FDD-G Curtain Fire Damper
UL555 Classified 1 ½
For Use in Static or Dynamic Systems

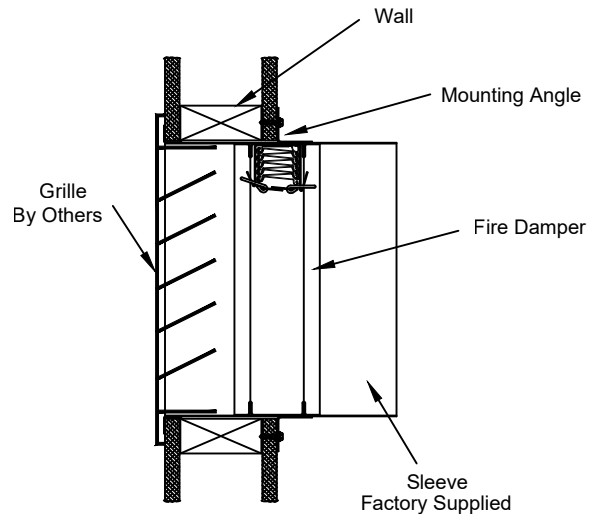
APPLICATION

Model FD/FDD-SAVG (Vertical) -SAHG (Horizontal) curtain fire damper for grille mounting are 1 ½ hour UL classified. 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.

FD units are Static(fans off) curtain style fire damper for use in HVAC systems that turn off during a fire.

FDD units are Dynamic (fans on) or static (fans off) curtain style fire damper for use in HVAC systems that remain in operation during a fire.

The FD/FDD Style G can be installed vertically in walls or horizontally in masonry floors and is rated for airflow in either direction.



Standard Construction

Frame: Roll-formed galvanized steel in gauges required by UL listing R-25410.

Blades: Roll-formed galvanized steel in gauges required by UL listing R-25410.

Closure Springs: 301 stainless steel When Required

Fuse Link: 165° F (74°C) is standard. 212° F (100°C) available option.

Sleeve: 12" (305) long 20 gauge galvanized steel.

SIZE

FD-SAVG or FD-SAHG

Minimum: 4" (102) wide x 4" (102) high

Maximum:

Single Section Vertical or Horizontal

36" (914) wide x 48" (1219) high. or

48" (1219) wide x 36" (914) high.

FDD-SAVG

Minimum: 6" (152) wide x 6" (152) high

Maximum:

Single Section

Vertical 36" (914) wide x 36" (914) high.

FDD-SAHG

Minimum: 6" (152) wide x 6" (152) high

Maximum:

Single Section

Horizontal - 24" (601) wide x 24" (610) high.

Multiple Sections Assembly

Horizontal - 36" (914) wide x 36" (914) high.

OPTIONS

Sleeves - of various lengths and gauges



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

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.



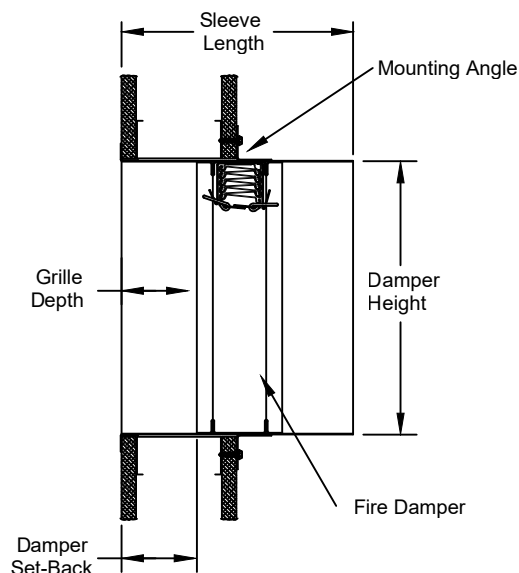
FD/FDD-SAVG/SAHG Curtain Fire Dampers for Grille Mounting

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	DWG. NO.:
KSM	March, 2025			PD-018

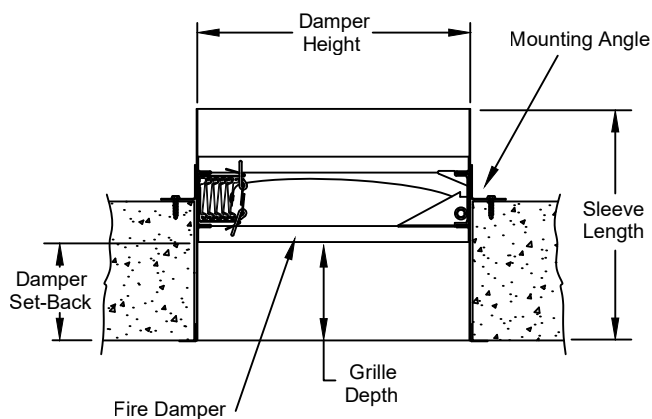
S&P reserves the right to change specifications without notice.

FD/FDD-SAVG or SAHG Dimensional Data

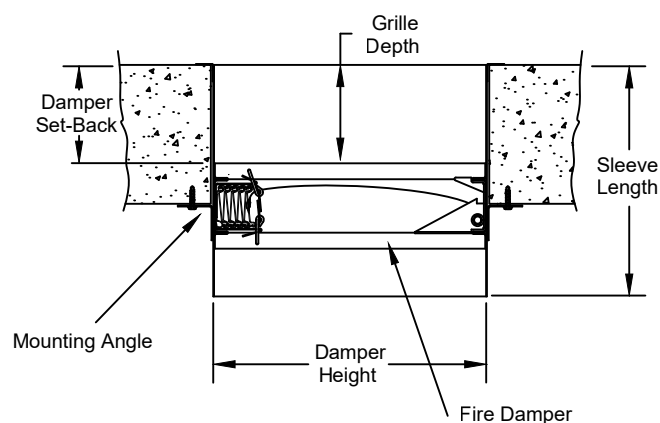
FD/FDD Style G Sleeve Length/Grille Depth/Wall Depth			
Wall/Floor Thickness	Grille Depth	Min. Sleeve Length	Damper Set Back
3 $\frac{1}{8}$ " (79)	1 $\frac{1}{4}$ " (32)	8" (203)	1 $\frac{3}{8}$ " (35)
4 $\frac{3}{4}$ " (121)	2 $\frac{7}{8}$ " (73)	10" (254)	3" (76)
4 $\frac{7}{8}$ " (124)	3 $\frac{1}{8}$ " (79)	10" (254)	3 $\frac{1}{4}$ " (83)
6 $\frac{7}{8}$ " (175)	5 $\frac{1}{8}$ " (129)	12" (305)	5 $\frac{1}{4}$ " (133)
8" (203)	6 $\frac{1}{8}$ " (156)	12" (305)	6 $\frac{1}{4}$ " (159)



Vertical Installation



Horizontal Installation Above Floor (AF)



Horizontal Installation Below Floor (BF)

