

APPLICATION

Model FD/FDD-SAVG (Vertical) -SAHG (Horizontal) curtain fire damper for grille mounting are 1 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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: 6" (152) wide x 6" (152) 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

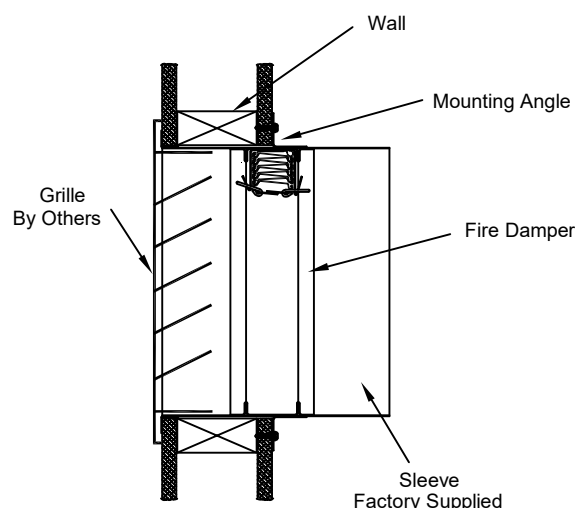
Horizontal - 24" (601) wide x 24" (610) high.

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 $\frac{1}{2}$ 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. $\frac{1}{4}$ " (6) undersized, unless otherwise noted.
3. Dimensions shown in parentheses () indicate millimeters.

UnitedEnertech

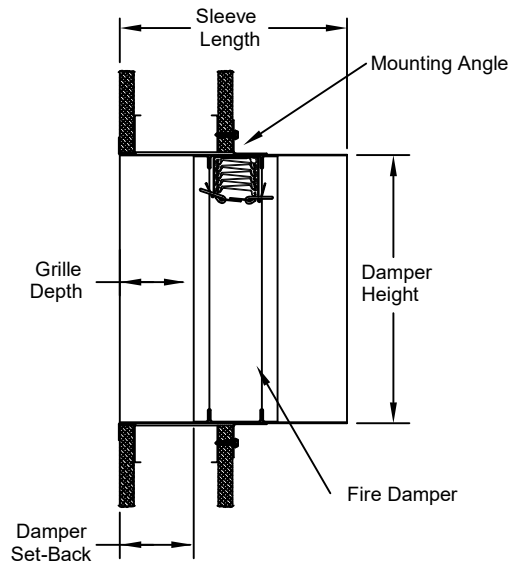
3005 South Hickory Street
 Chattanooga, Tennessee 37407
 Tel: (423) 689-7715
www.unitedenertech.com

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

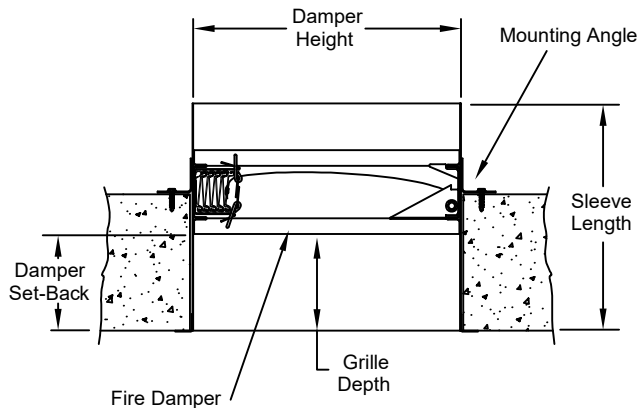
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|------------------|----------------------|------------|----------|---------------------------|
| DRAWN BY: KSM | DATE: March, 2025 | REV. DATE: | REV. NO. | DWG. NO. PD-018 |
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FD/FDD-SAVG or SAHG Dimensional Data

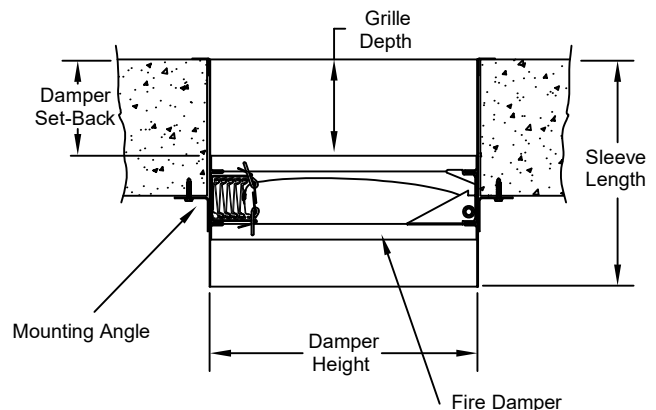
| FD/FDD Style G Sleeve Length/Grille Depth/Wall Depth | | | |
|--|-------------------------|--------------------|-------------------------|
| Wall/Floor Thickness | Grille Depth | Min. Sleeve Length | Damper Set Back |
| 3 $\frac{1}{8}$ " (79) | 1 $\frac{1}{4}$ " (32) | 8" (203) | 1 $\frac{3}{8}$ " (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)



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