

Stainless Steel

Fire Dampers • 117, 317, MD17

Stainless Steel 117 and 317 Fire Dampers are available for static installation in either a 1½ hour or 3 hour application. The 117 and 317 stainless steel dampers come in three different styles. The "A" style is without any transition, and the blades are in the air stream (see also SD-117 and SD-317). The "B" style has a B-Pan so the blades are out of the airstream (see also SI-BPAN). The "C" style is with a round, oval, or square transition and has 100% Free Area (see also SI-TRFD).

The MD17 is available in Stainless Steel construction for dynamic installation. The multi-blade fire dampers are available in a 1½ hour application (see SD-MD17).

Panel Size Limitations

Orientation	Horizontal & Vertical		Horizontal		Vertical	
	Panel	Minimum Panel	Maximum Single Section	Maximum Assy Panel	Maximum Single Section	Maximum Assy Panel
117(SS)	A	4"W x 4"H	48"W x 48"H	102"W x 48"H duct (36"W x 48"H each section)	60"W x 60"H duct	120"W x 120"H duct 40"W x 60"H (each section)
	B	4"W x 3"H duct (4"W x 5"H frame)	48"W x 43"H duct (48"W x 48"H frame)	102"W x 43"H duct (102"W x 48"H frame) (36"W x 48"H each section)	60"W x 55"H duct (60"W x 60"H frame)	120"W x 115"H duct (120"W x 120"H frame) (40"W x 60"H each section)
	C	4"W x 4"H duct (6"W x 7"H frame)	46"W x 42"H duct (48"W x 48"H frame)	100"W x 42"H duct (102"W x 48"H frame)	58"W x 54"H duct (60"W x 60"H frame)	118"W x 114"H duct (120"W x 120"H frame)
317(SS) (Vertical only)	A	4"W x 4"H	N/A	N/A	47"W x 48"H	93"W x 48"H duct 46.5"W x 48"H (each panel)
	B	4"W x 3"H duct (4"W x 5"H frame)	N/A	N/A	47"W x 43"H duct (47"W x 48"H frame)	93"W x 43"H duct 46.5"W x 48"H (each panel)
	C	4"W x 4"H duct (6"W x 7"H frame)	N/A	N/A	45"W x 42"H duct (47"W x 48"H frame)	91"W x 42"H duct 93"W x 48"H (frame)
MD17(SS) 2000 fpm, 4in.wg	8"W x 8"H	24"W x 24"H	N/A	36"W x 32"H	108"W x 32"H	
MD17(SS) 4000 fpm, 4in.wg	8"W x 8"H	24"W x 24"H	N/A	36"W x 32"H	N/A	

117 & 317

Standard Materials and Construction

FRAME: 22 GA. 304 stainless steel, one-piece rollformed.

BLADE: 22 GA. 304 stainless steel, curtain type.

FUSIBLE LINK: UL-listed 165°F, replaceable.

CLOSURE SPRINGS: Horizontal models - Heat-treated Type 301 stainless steel constant force coiled negator type.

FINISH: Mill.

FOR "C" STYLE DAMPERS

TRANSITION CAPS: 304 stainless steel, riveted to sleeve frame.

DUCT COLLARS: 304 stainless steel, crimped to transition.

Options

- 212°F replaceable fusible link
- Factory-supplied sleeves (20 GA. through 10 GA.)
- PK1202 position indicator switch
- B-Pan, round, oval, or square transitions
- Multiple panel unit assembly
- Tab-Lock retaining angles (galvanized steel)
- Perimeter flange
- Pull ring

Notes

1. "A" width and "B" height are opening dimensions. Nominal deductions will be made to the opening size given.
2. Unassembled multiple units do not include mullions.

MD17

Standard Materials and Construction

FRAME: 5½" x ¾" x 16 GA. 304 stainless steel hat channel. A flat head and sill are used for sizes through 13" high

BLADE: 16 GA. 304 stainless steel single thickness, parallel action.

AXLES: 304 stainless steel stub.

BEARINGS: Stainless steel.

LINKAGE: 304 stainless steel angle and crank plates with stainless steel pivots, in-jamb type or on-blade type.

STOPS: 18 GA. 304 stainless steel at head and sill.

BLADE SEALS: Silicone.

JAMB SEALS: Stainless steel.

CAULKING: Hardcast Irongrip 601 or UL-listed equivalent.

FINISH: Mill.

Options

- 212°F replaceable fusible link
- Factory-supplied sleeves (20 GA. through 10 GA.)
- Round or oval transitions
- Tab-Lock retaining angles (galvanized steel)
- 316 Stainless Steel (where available)

Notes

1. "A" width and "B" height are opening dimensions. Nominal deductions will be made to the opening size given.