

Stainless Steel

Fire Damper Models: 117, 317, MD17

APPLICATION

Stainless Steel 117 and 317 Fire Dampers are available for static installation in either a 1½ hour or 3 hour application. The 119 and 319 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-MD19).

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

MD17

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. Dampers are provided ¼" undercut.
2. Unassembled multiple units do not include mullions.

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 5½" x 7⁄8" x 16-GA 304 stainless steel hat channel. A head and sill are used for sizes thru 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

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