

Static Fire Damper, Horizontal and Vertical

Model

Static Fire Damper **FD-B**

Standard Construction:

Frame: Roll Formed Galvanized Steel with Safety Edge.

Blades: Roll Formed Galvanized Steel, Curtain-Type

Springs: Stainless Steel.

Fusible Link: U.L. Listed 165°F.

1 1/2 Hr. Vertical:

Min. Size:

4"w x 3"h (102mm x 76mm)

Single Section Max:

60"w x 55"h (1524 mm x 1397 mm)

Max. Size:

120"w x 115"h (3048mm x 2921mm)

1 1/2 Hr. Horizontal:

Min. Size:

4"w x 3"h (102mm x 76mm)

Single Section Max:

40"w x 36"h (1016 mm x 914 mm)

or 48"w x 42"h (1219 mm x 1067 mm)

Max. Size:

120"w x 36"h (3048 mm x 914 mm)

or 96"w x 42"h (2438 mm x 1067 mm)

3 Hr. Vertical:

Min. Size:

4"w x 3"h (102mm x 76mm)

Single Section Max.:

40"w x 36"h (1016 mm x 914 mm)

Max. Size:

80"w x 36"h (2032 mm x 914 mm)

3 Hr. Horizontal:

Min. Size:

4"w x 3"h (102mm x 76mm)

Single Section Max.:

40"w x 36"h (1016mm x 914mm)

Max. Size:

80"w x 36"h (2032mm x 914mm)

Optional Construction:

For factory supplied sleeve see submittal for FD-B c/w sleeve.

3 Hour Rating

Fuse Link 212°F

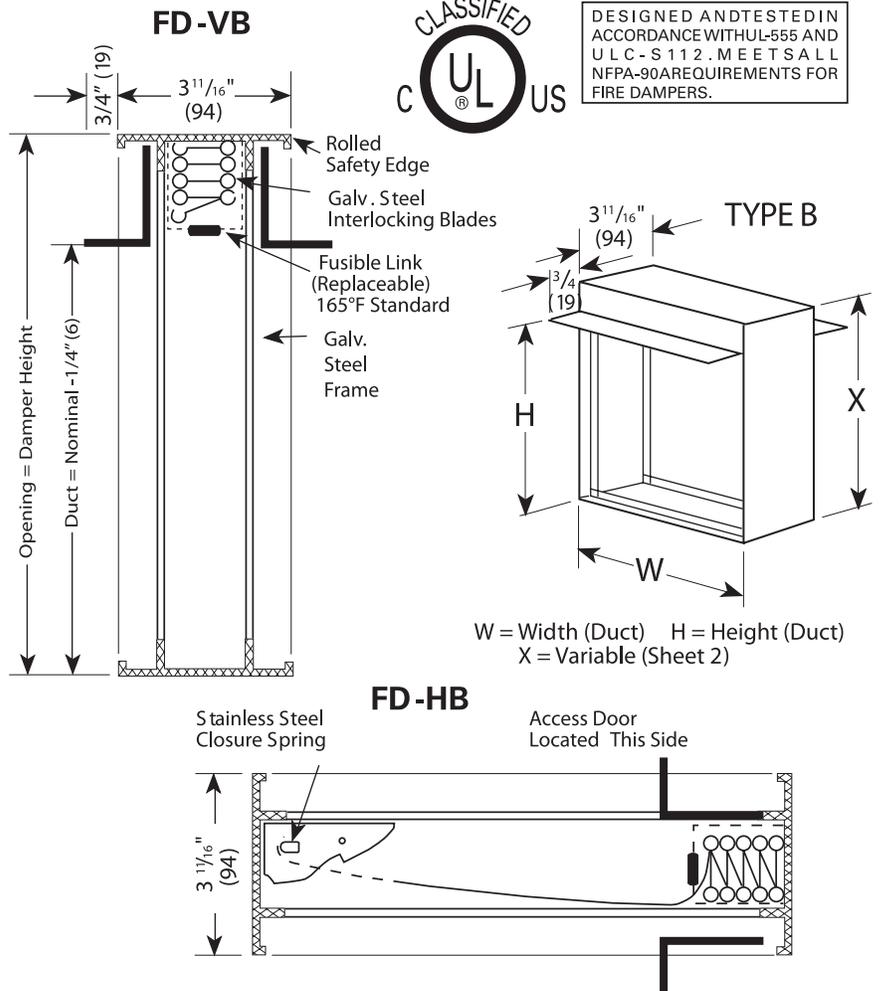
Notes: Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.

UL/ULC Approved For Use in Static Systems Where The Fan Shuts Down in the Event of a Fire.

LISTED AND LABELLED BY :



DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND UL C - S 112 . MEET ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.



Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

| | | | |
|------------------------|----------------------|----------|--|
| PROJECT: | | | |
| ENGINEER: | | | |
| CUSTOMER: | | May / 08 | |
| SUBMITTAL DATE: | SPEC. SYMBOL: | 244988 | |

Model FD-B
 1½, 3 Hour Rated
 "B" Style

Static Fire Damper, Horizontal and Vertical

TYPE B

W = Width (Duct)
 H = Height (Duct)
 X = H + B
 B = Blade Stack
 (see chart)

For dampers one section high:

| Duct Height (H) | B |
|--------------------------|----------|
| up to 20" (508) | 2" (51) |
| 21" (533) to 32" (813) | 3" (76) |
| 33" (838) to 42" (1067) | 4" (102) |
| 43" (1092) to 55" (1397) | 5" (127) |

For VERTICAL dampers two sections high:

| Duct Height (H) | B |
|---------------------------|----------|
| up to 64" (1626) | 3" (76) |
| 65" (1651) to 84" (2134) | 4" (102) |
| 85" (2134) to 115" (2921) | 5" (127) |

Note: See maximum section size for relevant hourly rating and mounting position to determine which chart to use.

Static Fire Damper c/w sleeve, Horizontal and Vertical

Model

Static Fire Damper **FD-B-S c/w sleeve**

Standard Construction:

Frame: Roll Formed

Galvanized Steel.

Blades: Roll Formed Galvanized Steel, Curtain-Type

Springs: Stainless Steel.

Fusible Link: U.L. Listed 165°F.

1 1/2 Hr. Vertical:

Min. Size: 4"w x 3"h (102mm x 76mm)

Single Section Max: 60"w x 55"h (1524 mm x 1397 mm)

Max. Size: 120"w x 115"h (3048mm x 2921mm)

1 1/2 Hr. Horizontal:

Min. Size: 4"w x 3"h (102mm x 76mm)

Single Section Max: 40"w x 36"h (1016mm x 914 mm) or 48"w x 42"h (1219mm x 1067mm)

Max. Size: 120"w x 36"h (3048mm x 914mm) or 96"w x 42"h (2438mm x 1067mm)

3 Hr. Vertical:

Min. Size: 4"w x 3"h (102mm x 76mm)

Single Section Max.: 40"w x 36"h (1016 mm x 914 mm)

Max. Size: 80"w x 36"h (2032 mm x 914 mm)

3 Hr. Horizontal:

Min. Size: 4"w x 3"h (102mm x 76mm)

Single Section Max.: 40"w x 36"h (1016mm x 914mm)

Max. Size: 80"w x 36"h (2032mm x 914mm)

Optional Construction:

- Sleeve Gauge
 - 18 Gauge
 - 16 Gauge
 - 14 Gauge
 - 10 Gauge
- Sleeve Length (Required) _____
- 3 Hour Rating
- Fuse Link 212°F

Notes: Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.

UL/ULC Approved For Use in Static Systems Where The Fan Shuts Down in the Event of a Fire.

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

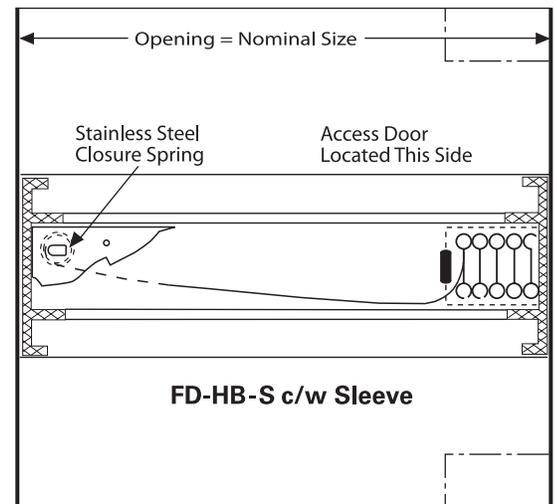
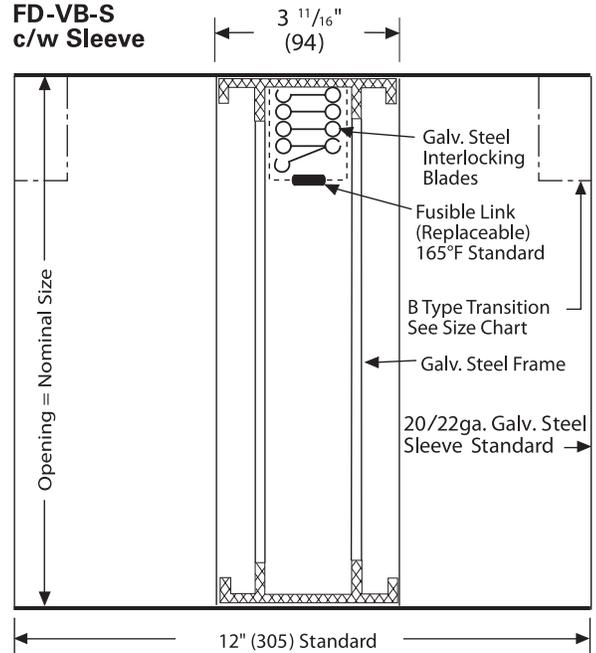
Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

LISTED AND LABELLED BY :



FD-VB-S c/w Sleeve



| | | | |
|------------------------|----------------------|--------|--|
| PROJECT: | | | |
| ENGINEER: | | | |
| CUSTOMER: | | | |
| SUBMITTAL DATE: | SPEC. SYMBOL: | 244990 | |

■ **Model FD-B-S c/w sleeve**
 1¹/₂, 3 Hour Rated

Static Fire Damper c/w sleeve, Horizontal and Vertical

TYPE B

W = Width (Duct)
 H = Height (Duct)
 X = H + B
 B = Blade Stack
 (see chart)

For dampers one section high:

| Duct Height (H) | B |
|--------------------------|----------|
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For VERTICAL dampers two sections high:

| Duct Height (H) | B |
|---------------------------|----------|
| up to 64" (1626) | 3" (76) |
| 65" (1651) to 84" (2134) | 4" (102) |
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Note: See maximum section size for relevant hourly rating and mounting position to determine which chart to use.