



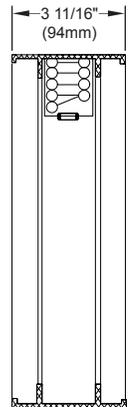
FIRE DAMPER MODEL SELECTION GUIDE

Model MFD: Metal-Fab Fire Damper; 3-11/16" wide; 1.5-hour rating; static airflow.

The frame is roll formed with a safety edge. The frame, interlocking blades and transitions are galvanized steel. The MFD series has a 1.5-hour rating so it can be used in fire barriers rated at two hours or less. The vertical damper will close with gravity. The horizontal damper has stainless steel springs to insure positive closure.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 6", 8", 12", 14" or 16" and metal gauges of 20 ga., 18 ga., and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.

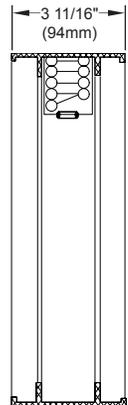


Model MFD3: Metal-Fab Fire Damper; 3-11/16" wide; 3-hour rating; static airflow.

The frame is roll formed with a safety edge. The frame, interlocking blades and transitions are galvanized steel. The MFD3 series has a 3-hour rating so it can be used in fire barriers rated at four hours or less. The vertical damper will close with gravity. The horizontal damper has stainless steel springs to insure positive closure.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.

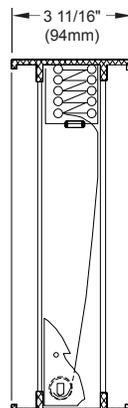


Model MDFD: Metal-Fab Dynamic Fire Damper, 3-11/16" wide; 1.5-hour rating; dynamic airflow.

The MDFD series is a *dynamic* fire damper and will close when the fuse link opens even if the HVAC system blower continues to run. All MDFD dampers have stainless steel springs to insure positive closure. The frame is roll formed with a safety edge. The frame, interlocking blades and transitions are galvanized steel. The MDFD series has a 1.5-hour rating so it can be used in fire barriers rated at two hours or less.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.

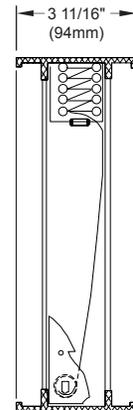


Model MDFD3: Metal-Fab Dynamic Fire Damper; 3-11/16" wide; 3-hour rating; dynamic airflow.

The MDFD3 series is a *dynamic* fire damper and will close when the fuse link opens even if the HVAC system blower continues to run. All MDFD3 dampers have stainless steel springs to insure positive closure. The frame is roll formed with a safety edge. The frame, interlocking blades and transitions are galvanized steel. The MDFD3 series has a 3-hour rating so it can be used in fire barriers rated at four hours or less

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MFDS: Metal-Fab Fire Damper; slim-frame 2-3/16" wide; 1.5-hour rating; static airflow.

This thinner frame fire damper is usually installed where a grill must be accommodated. The frame is roll formed. The frame, interlocking blades and transitions are galvanized steel. The vertical damper will close with gravity. The horizontal damper has stainless steel springs to insure positive closure. The MFDS series has a 1.5-hour rating so it can be used in fire barriers rated at two hours or less.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MFDS3: Metal-Fab Fire Damper; slim-frame 2-3/16" wide; 3-hour rating; static airflow

This thinner frame fire damper is usually installed where a grill must be accommodated. The frame, interlocking blades and transitions are galvanized steel. The frame is roll formed. The vertical damper will close with gravity. The MFDS3 series has a 3-hour rating so it can be used in fire barriers rated at four hours or less.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MDFDS: Metal-Fab Dynamic Fire Damper; slim-frame 2-3/16"; 1.5-hour rating; dynamic airflow

The MDFDS series is a *dynamic* fire damper and will close when the fuse link opens even if the HVAC system blower continues to run. All MDFDS dampers will have stainless steel springs to insure positive closure. The frame is roll formed. The thinner frame fire dampers are usually installed where a grill must be accommodated. The frame, interlocking blades and transitions are galvanized steel. The MDFDS series has a 1.5-hour rating so it can be used in fire barriers rated at two hours or less.

Configure to Order (CTO) Options:

- 1) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MDFDS3: Metal-Fab Dynamic Fire Damper; slim-frame 2-3/16"; 3-hour rating; dynamic airflow

The MDFDS3 series is a *dynamic* fire damper and will close when the fuse link opens even if the HVAC system blower continues to run. All MDFDS3 dampers have stainless steel springs to insure positive closure. The frame is roll formed. The thinner frame fire dampers are usually installed where a grill must be accommodated. The frame, interlocking blades and transitions are galvanized steel. The MDFDS3 series has a 3-hour rating so it can be used in fire barriers rated at four hours or less.

Configure to Order (CTO) Options:

- 1) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F.
- 3.) Vertical or Horizontal orientation.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MFDUS: Metal-Fab Fire Damper; ultra slim-frame 1 1/2"; 1.5-hour rating; static airflow

This damper is for use in a Vertical application only. The frame is roll formed and will not accommodate a spring and locking ramp assembly. The frame, interlocking blades and transitions are galvanized steel. The MFDUS series has a 1.5-hour rating so it can be used in fire barriers rated at two hours or less. MFDUS fire dampers are usually installed where a grill must be accommodated in a very thin barrier such as a door.

Configure to Order (CTO) Options:

- 1) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical application only.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.

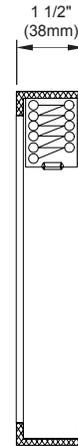


Model MFDUS3: Metal-Fab Fire Damper; ultra slim-frame 1.5"; 3-hour rating; static airflow

This damper is for use in a Vertical application only. The frame is roll formed and will not accommodate a spring and locking ramp assembly. The frame, interlocking blades and transitions are galvanized steel. The MFDUS3 series has a 3-hour rating so it can be used in fire barriers rated at four hours or less. MFDUS3 fire dampers are usually installed where a grill must be accommodated in a very thin barrier such as a door.

Configure to Order (CTO) Options:

- 1.) Type-A, Type-B or Type-C.
- 2.) Temperature link set-points of 165°F, 212°F or 286°F.
- 3.) Vertical application only.
- 4.) Galvanized metal sleeves in lengths of 12", 14" or 16" and metal gauges of 20 ga., 18 ga. and 16 ga.
- 5.) Transition available.
- 6.) Pressure rated low, medium/high or high. Type-C dampers and sleeved dampers can be ordered as medium/high or high pressure.
- 7.) Micro-switch.



Model MFRA: Metal-Fab Framed Retaining Angles

All fire dampers installed in fire rated wall, floor, or partition must be attached to a sleeve that is held in place by framed retaining angles. See the fire damper installation instructions and the specification sheet for additional information.

Metal-Fab offers sets of two framed retaining angles as an option to any sleeved dampers that are ordered. Model MFRA framed retaining angles are not available unless ordering a sleeved damper. The minimum size is 6.25" x 6.25" and the maximum size is 48" x 48". The material is 1.5" x 1.5" by 16 gauge galvanized steel.

