



**DYNAMIC CURTAIN TYPE FIRE DAMPER**  
**3 HR. LABEL • VERTICAL OR HORIZONTAL**  
**FOR USE IN DYNAMIC OR STATIC SYSTEMS**  
**MODEL D0520 TYPE B**



**QUALIFICATIONS:**

- UL 555 Classified Fire Damper. 3 hr. label. (File # 9492).
- CAN/ULC-S112 Fire Damper Assemblies.
- Meets all the requirements of UL and NFPA 90A for fire dampers in dynamic HVAC systems.
- Meets the requirements for BOCA, SBCCI, UBC, IBC and associated local building codes.
- Meets all the requirements of NBC.
- California State Fire Marshal Listing No. 03225-0935:113.
- City of New York Board of Standards and Appeals. Cal. No. 460-88-SA.
- Maximum velocity 2000 fpm @ 4" w.g.

The D0520 dynamic curtain fire damper is UL approved for use where local building codes require the protection of HVAC ductwork penetrations in walls, partitions or floors that have a fire resistance rating of up to 4 hours. The D0520 is classified for use in dynamic (fans on) systems, where the HVAC system remains operative in the event of a fire. Damper closure under airflow is assured. Type B fire dampers place the curtain blade pack out of the airstream for higher free area and reduced pressure drop.

**STANDARD SPECIFICATION:**

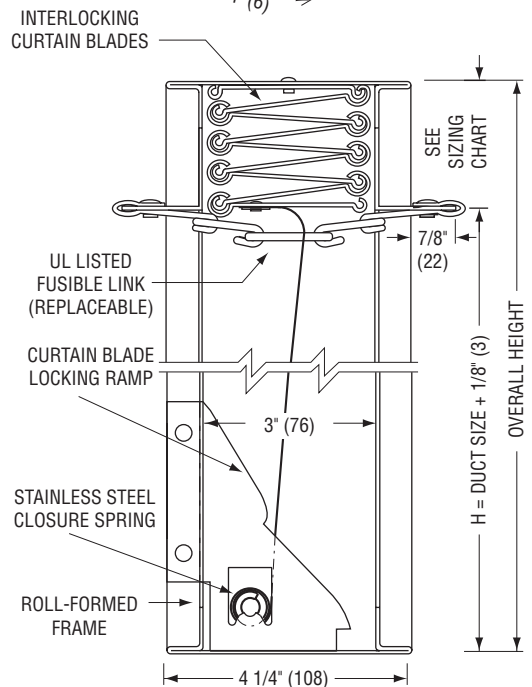
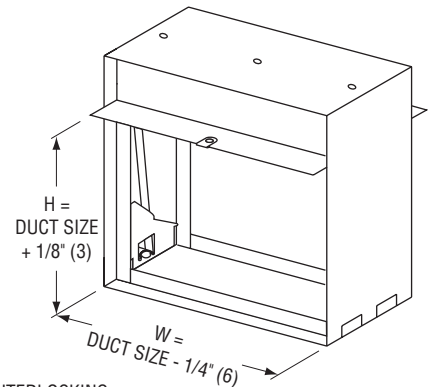
- FRAME:** 4 1/4" (108) wide, 22 ga. (0.85) roll-formed G60 galvanized steel.
- BLADES:** Curtain type interlocking blades, 22 ga. (0.85) roll-formed G60 galvanized steel.
- ENCLOSURE:** 22 ga. (0.85) galvanized steel.
- FUSIBLE LINK:** 165°F (74°C) standard. UL Listed. 212°F (100°C) available.
- BLADE CLOSURE:** Stainless steel closure springs and galvanized steel locking ramps.
- MINIMUM SIZE:** 6" x 4" (152 x 102).
- MAXIMUM SIZE:** Single Section  
 Vertical or Horizontal mount: 24" x 21" (610 x 533).  
 Multiple Section Assembly  
 Vertical mount: 72" x 21" (1829 x 533) or 36" x 45" (914 x 1143). See note 2.  
 Horizontal mount: Contact factory.

**OPTIONS:**

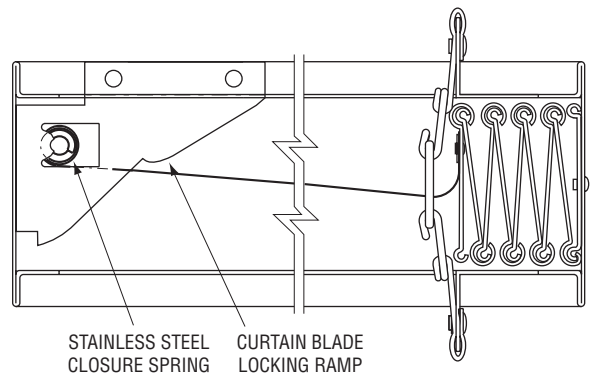
- Non-standard temperature fusible link. Specify \_\_\_\_\_.
- Factory Sleeve. Available in 10 (3.5) through 22 ga. (0.85) galvanized steel and in lengths required for application. Specify : \_\_\_\_\_ length. \_\_\_\_\_ ga.
- Pull Tab Release. Permits simple reset of spring loaded damper when access door is located on opposite side of locking ramp. (See dwg. ACC-PTR for details).

**NOTES:**

1. Building codes and UL Classification require damper installation in accordance with manufacturer's instructions. Refer to document IOM-FDINST.
2. Individual sections of multiple section assembly not to exceed 18" x 24" (457 x 610).
3. See sizing chart for relationship of duct size and damper size. Refer to dwgs. SC1 and SC2.



**MODEL D0520V – VERTICAL MOUNT**



**MODEL D0520H – HORIZONTAL MOUNT**

Manufactured by members of S.M.W.I.A.  
 Dimensions are in inches (mm).

<b>SCHEDULE TYPE:</b>				
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	10 - 6 - 06	FD	2 - 18 - 05	D0500-2