



**INTEGRAL SLEEVE DYNAMIC FIRE DAMPERS**  
 HYBRID • 1 1/2 HR. LABEL • VERTICAL MOUNT  
 FOR USE IN DYNAMIC OR STATIC SYSTEMS  
**MODELS: D0114HY(TYPE A), D0124HY(TYPE B)**  
**AND D0134HY(TYPE C)**



**QUALIFICATIONS:**

- **UL 555 Classified Fire Damper. 1 1/2 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, NBC (Canada) and associated local building codes.**
- **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 D0100HY hybrid fire dampers are UL approved for use where local building codes require the protection of HVAC ductwork penetrations in walls and partitions that have a fire resistance rating of up to 2 hours. The D0100HYs are 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.

Integral sleeve fire dampers offer convenience and labor savings. The costly requirement to field or shop fabricate custom sleeves is eliminated and dampers can therefore ship directly from the manufacturer to the job site – saving time and money.

Optional "Quick-Set" retaining angles complete the installation package. Factory fabricated, sized and shipped with damper, they install quickly, provide further labor savings and eliminate the need for any field fabrication.

**STANDARD SPECIFICATION:**

- SLEEVE:** 20 ga. (1.01) G60 galvanized steel. 12" (305) long standard. 14" (356) or 16" (406) long available.
- FRAME:** 5" (127) deep max. roll-formed G60 galvanized steel.
- BLADES:** Minimum 22ga. (0.85) roll formed G60 galvanized steel.
- FUSIBLE LINKS:** 165°F (74°C) standard. UL Listed. 212°F (100°C) available.

**INSTALLATION:** Vertical mount only.

- SIZES:** See maximum sizes shown below sketches.  
 For widths 36" (914) and under, minimum height is 49" (1245) (Type A). For widths over 36" (914), minimum height is 25" (635) (Type A).  
 For smaller sizes see Model Series D0100.

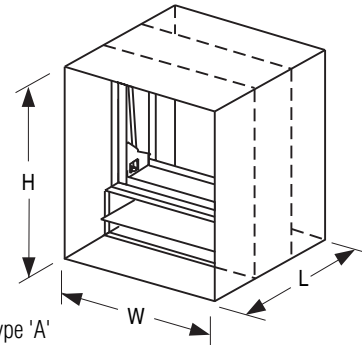
**OPTIONS:**

- Non-standard temperature fusible link. Specify \_\_\_\_\_.
- Non-standard sleeve length. Specify \_\_\_\_\_.
- QS1** Quick-set retaining angles (single set).
- QS2** Quick-set retaining angles (pair).
- TDF1** Flange (one end).
- TDF2** Flange (both ends).

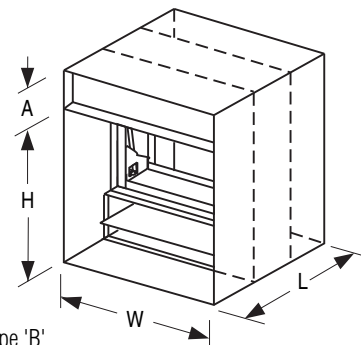
**NOTES:**

1. Building code and UL Classification require damper installation in accordance with manufacturer's instructions. Refer to document IOM-FDHYINST.

Manufactured by members of S.M.W.I.A.

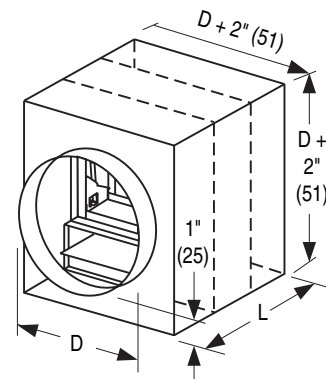


Type 'A'  
**Model: D0114HY**  
 Max. size: 72" x 60" (1829 x 1524)



Type 'B'  
**Model: D0124HY**  
 Max. size: 72" x 54" (1829 x 1372)

Damper Height (H)	Dim. 'A'
22" thru 25" (559 thru 533)	2" (51)
26" thru 35" (660 thru 889)	3" (76)
36" thru 44" (914 thru 1118)	4" (102)
45" thru 53" (1143 thru 1346)	5" (127)
54" (1372)	6" (152)



Type 'CR' – Round transition collars (shown)  
 Type 'CO' – Oval transition collars  
**Model: D0134HY**  
 CR Max. size - 53" dia. (1346)  
 CO Max. size - 70" x 53" (1778 x 1346)

Dimensions are in inches (mm).

<b>SCHEDULE TYPE:</b>
<b>PROJECT:</b>
<b>ENGINEER:</b>
<b>CONTRACTOR:</b>

DATE	B SERIES	SUPERSEDES	DRAWING NO.
9 - 12 - 07	FD	2 - 21 - 06	D0100HY