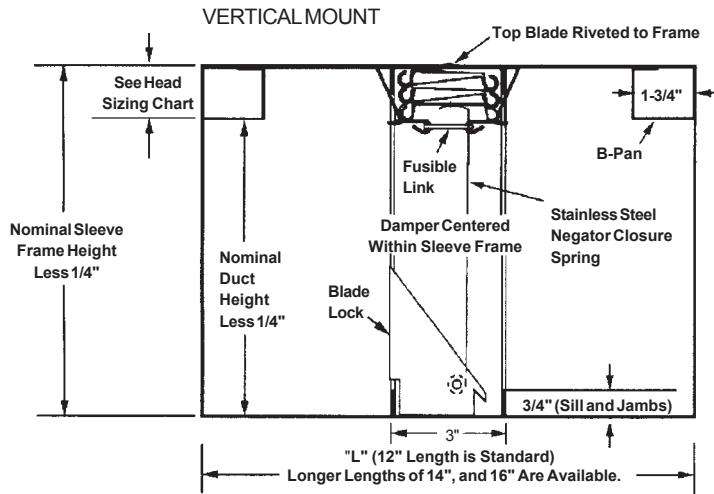


# FIRE/SEAL® UL-Classified 1½-HR. Dynamic Rated Fire Damper with Integral Sleeve Frame

**MODEL D17X  
"B" STYLE**  
Vertical & Horizontal Mount

**NO ADDITIONAL SLEEVE REQUIRED, PROVIDED DUCT THICKNESS IS 20 GA. OR LESS, AND U.L.-APPROVED BREAKAWAY DUCT-TO-SLEEVE CONNECTION JOINTS ARE USED, PER UL-555.**

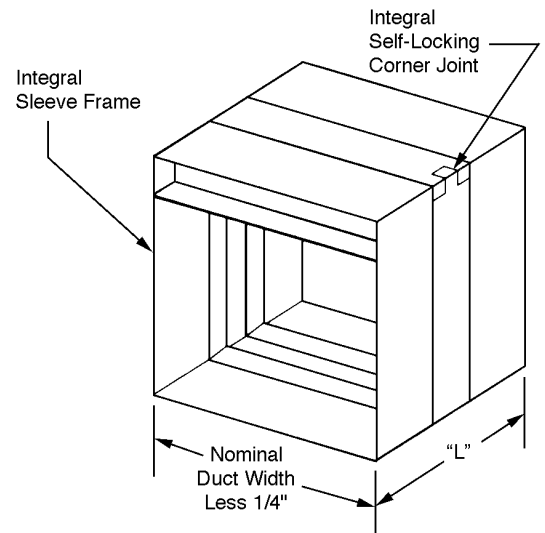
Classified by Underwriters Laboratories as a 1½-hour fire protection rated Fire Damper, FOR USE IN DYNAMIC SYSTEMS, in accordance with Standards UL-555 and NFPA-90A, for the protection of openings in fire partitions having a fire resistance rating of less than 3 hours.



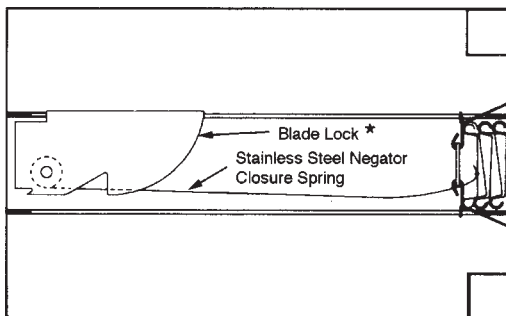
**UNDERWRITERS LABORATORIES INC.**  
**CLASSIFIED**  
FIRE DAMPERS  
FIRE RESISTANCE RATING **1½ HR.**  
SEE U.L. CLASSIFIED BUILDING MATERIALS INDEX

Arrow United Industries

**California State Fire Marshal  
Listing No. 3225-1328:100**



**HORIZONTAL MOUNT**



(\*) Damper is to be installed with blade lock points facing DOWNWARD and with access from above.

**DIMENSIONAL DATA:**

MINIMUM SIZE: 6"W X 4"H (Duct), 6"W x 6"H (Sleeve Frame)

**MAXIMUM SIZE - VERTICAL:**

Single Panel: 36"W x 32"H (Duct), 36"W x 36"H (Sleeve Frame)  
Multiple Panel: Not Available

**MAXIMUM SIZE - HORIZONTAL:**

Single Panel: 24"W x 21"H (Duct), 24"W x 24"H (Sleeve Frame)  
Multiple Panel: Not Available

- PROJECT:**
- LOCATION:**
- ARCHITECT:**
- ENGINEER:**
- CONTRACTOR:**
- PO NUMBER:**
- DATE:**

*Additional information  
on reverse side.*

**STANDARD MATERIALS & CONSTRUCTION:**

**SLEEVE FRAME:** One-piece rollformed 20-GA galvanized steel.

**BLADES:** 22-GA galvanized steel curtain-type.

**FUSIBLE LINK:** UL-listed 165°F; replaceable. (Optional 212°F available (**Vertical Mount Only**) at no additional charge.)

**CLOSURE SPRINGS:** Heat-treated Type 301 stainless steel constant force coiled negator type.



Arrow United Industries  
A Division of Mestek, Inc.  
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www.arrowunited.com

# ARROW UNITED INDUSTRIES SUBMITTAL DATA

## FIRE/SEAL® UL-CLASSIFIED 1 1/2-HR. DYNAMIC RATED FIRE DAMPER WITH INTEGRAL SLEEVE FRAME

**MODEL D17X  
"B" STYLE**

### HEAD SIZING CHART

IF NOMINAL DUCT HEIGHT IS:	INCHES TO ADD FOR HEAD:
3" THRU 18"	2"
19" THRU 28"	3"
29" THRU 32"	4"

See DIMENSIONAL DATA on front side.

### AVAILABLE OPTIONS:

1. Sleeve frame length ("L" dimension) of 14" or 16".
2. 212°F fusible link (Vertical Mount Only).
3. Electro Thermal Link [ETL®].
4. SPDT "closed damper" position indicator switch.

### NOTES:

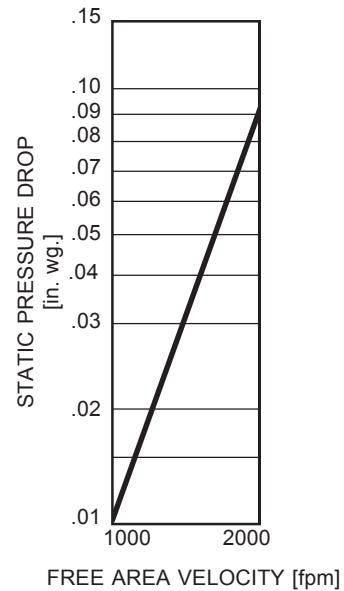
1. Rated at 2000 fpm, 4 in. wg.
2. When a dynamic fire damper closes under airflow conditions, due to inertia, a momentary negative pressure spike (vacuum) can occur on the downstream side of the closed damper. This situation should be taken into consideration by the Engineer/System Designer.

$$\text{FREE AREA VELOCITY [fpm]} = \frac{\text{FLOW [cfm]}}{\text{FREE AREA [sq. ft.]}}$$

FREE AREA [sq. ft.]  
Duct Width (in.)

	8	12	16	20	24	28	32	36
8	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
12	0.5	0.9	1.2	1.5	1.8	2.1	2.4	2.7
16	0.7	1.2	1.6	2.0	2.4	2.8	3.3	3.7
20	0.9	1.4	2.0	2.5	3.0	3.6	4.1	4.7
24	1.1	1.7	2.4	3.0	3.7	4.3	5.0	5.6
28	1.2	2.0	2.8	3.5	4.3	5.0	5.8	6.5
32	1.5	2.3	3.2	4.0	4.9	5.8	6.7	7.5

Duct Height (in.)



**IN THE INTEREST OF PRODUCT DEVELOPMENT, ARROW UNITED RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.**



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