

MODEL MD17

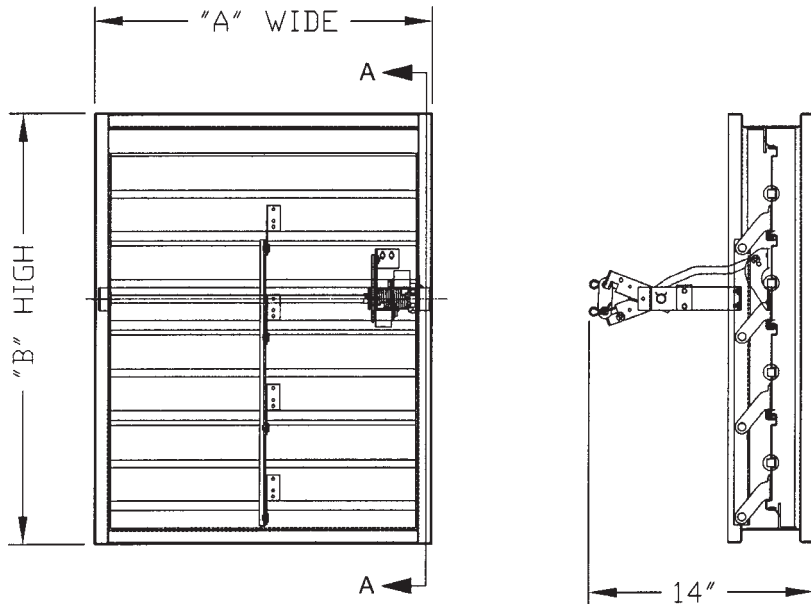
NON-MOTORIZED

1-1/2 HR. DYNAMICALLY RATED,
UL CLASSIFIED FIRE DAMPER

VERTICAL AND HORIZONTAL INSTALLATION

MODEL MD17 VERTICAL & HORIZONTAL MOUNT

Classified by Underwriters Laboratories as a 1-1/2 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 resistance rating of less than 3 hours.



UNDERWRITERS LABORATORIES, INC.®
CLASSIFIED
 FIRE DAMPERS
 FIRE RESISTANCE RATING 1-1/2 HR.
 IN ACCORDANCE WITH UL-555
 SEE U.L. FIRE RESISTANCE DIRECTORY

California State Fire Marshal
 Listing No. 3225-1328:113

DIMENSIONAL DATA RECTANGULAR DAMPERS

MINIMUM SIZE: 8"W x 6"H

Dampers can be furnished with a duct size minimum of 8"W x 6"H using a Type B enclosure pan in a factory furnished sleeve. The overall frame is 8"W x 8"H.

MAXIMUM SIZE: VERTICAL OR HORIZONTAL
 Single Panel: 36"W x 48"H
 Double Panel: 72"W x 48"H

ROUND AND OVAL DAMPERS (Type C Housing, Duct Dimensions)

MINIMUM SIZE: 6" Diameter

MAXIMUM SIZE: VERTICAL OR HORIZONTAL
 Single Panel: Round: 34" Diameter
 Oval: 34"W x 46"H

Double Panel: Round: 46" Diameter
 Oval: 70"W x 46"H

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 5-1/2" x 7/8" x 16GA galvanized steel hat channel.
- BLADES:** 16GA Galvanized steel, 8" maximum width, parallel action
- AXLES:** Square, plated solid steel stub.
- BEARINGS:** Oil Impregnated Bronze
- LINKAGE:** On blade type; galvanized steel angle interconnect, with plated steel brackets and pivots.
- STOPS:** 18GA galvanized steel at head and sill.
- COMPRESSION JAMB SEALS:** Stainless steel.
- SLEEVE:** Minimum 20GA galvanized steel by 16" long.
- FINISH:** Mill on galvanized steel.
- ACTUATOR:** Non-motorized spring closure mechanism with 165°F fusible link.

NOTES:

1. Underwriters Laboratories approved for dual direction air flow and dynamic applications.
2. Approved for vertical and horizontal installations.
3. Underwriters Laboratories classified for use in fire resistance ratings of less than 3 hours, in accordance with UL Standard 555, 6th Edition.
4. Damper will be fabricated 1/4" undersized.

Wall Thickness	Recommended Sleeve Length
4", 6"	16"
8"	18"
12"	20"

NOTE: The length of the sleeve should not extend over 6" beyond the wall, except on the actuator side, where the sleeve may extend to a maximum 16" beyond the wall.

AVAILABLE OPTIONS: (Must Be Specified)

1. Minimum 16" deep 20 GA sleeve. Longer sleeves and sleeves as thick as 10 GA also available.
2. Type C housing for round and oval ductwork.
3. 212°F fusible link.
4. Dual position indication package.

PROJECT:

LOCATION:

ARCHITECT:

ENGINEER:

CONTRACTOR:

PO NUMBER:

DATE:

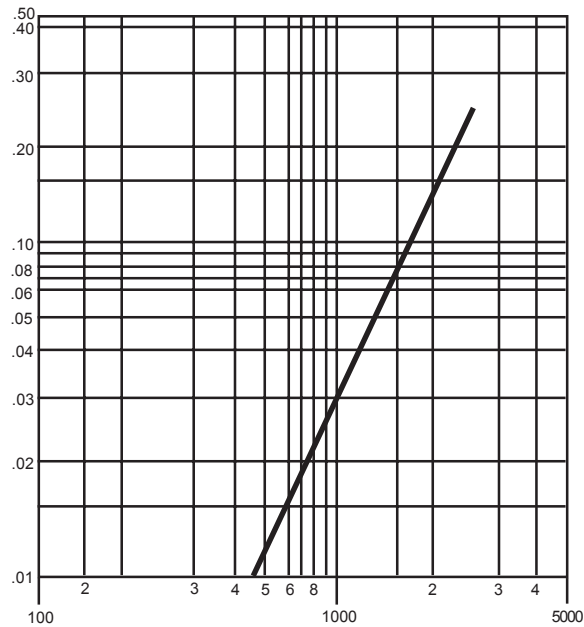
*Additional Information
on reverse side*

ARROW UNITED INDUSTRIES SUBMITTAL DATA

PERFORMANCE

	Single Panel	Double Panel
Maximum Velocity	4000 fpm	2000 fpm
Maximum Pressure	5 in. wg.	5 in. wg.

PRESSURE DROP



FACE VELOCITY IN FEET PER MINUTE
TYPICAL PERFORMANCE CURVE
TESTED PER AMCA STANDARD 500; FIGURE 5.3
SIZE TESTED - 36" x 48"
(SMALLER SIZES WILL HAVE HIGHER PRESSURE DROPS)



Arrow United Industries
A Division of Mestek, Inc.
314 Riverside Drive • Wyalusing, PA 18853
Ph: (570)-746-1888 Fax: (570)-746-9286
www.arrowunited.com

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