

# SERIES 1001 MZ

ONE-DECK MULTIZONE  
AIR-FOIL CONTROL DAMPERS

engineering data  
and specifications



**TAMCO** 



1. Extruded aluminum (6063-T5) multizone damper frame is not less than 0.080" (2.03 mm) in thickness. Damper frame is 4" (101.6 mm) deep x 1" (25.4 mm), with mounting flanges on both sides of frame.
2. Blades are 6" (152.4 mm) deep extruded aluminum (6063-T5) air-foil profiles. All blades are symmetrically pivoted.
3. Internal zone dividers (splitters) are extruded aluminum (6063-T6) profiles.
4. Blade seals are extruded EPDM. Frame seals are extruded silicone. Seals are secured in an integral slot within the aluminum extrusions. Blade and frame seals are mechanically fastened to prevent shrinkage and movement over the life of the damper.
5. Bearings are composed of a Celcon inner bearing - fixed around a 7/16" (11.11 mm) aluminum hexagon blade pivot pin - rotating within a polycarbonate outer bearing inserted in the frame. This eliminates action between metal-to-metal or metal-to-plastic riding surfaces.
6. Adjustable 7/16" (11.11 mm) hexagonal drive rod, U-bolt fastener, and hexagonal retaining nuts are zinc-plated steel. These provide a positive connection to blades and linkage.
7. Aluminum and corrosion-resistant zinc-plated steel linkage hardware is installed in the frame side, complete with cup-point trunnion screws for a slip-proof grip.
8. Multizone dampers are designed for operation in temperatures ranging from -40°F (-40°C) to 212°F (100°C).
9. Leakage does not exceed 3 cfm/ft<sup>2</sup> (15.2 l/s/m<sup>2</sup>) against 1 in w.g. (0.25 kPa) static pressure differential. Tested in accordance with ANSI/AMCA Standard 500-D.
10. Multizone dampers are custom made to required size, without blanking off free area. The blade stop is set at a fixed height and is a continuous and integral part of the top and bottom frames within each zone.
11. All sizes are inside frame dimensions.
12. Multizone dampers are available with either opposed blade action or parallel blade action.
13. Multizone dampers are available in Flanged to Duct install type only.
14. Installation of multizone dampers must be in accordance with TAMCO's current on-line installation guidelines. (Printed installation guidelines are provided with each damper shipment, however all technical information available on TAMCO's web site at [www.tamcodampers.com](http://www.tamcodampers.com) supersedes information contained within printed versions.)
15. Intermediate structural support is required to resist applied pressure loads. (See TAMCO Aluminum Damper Installation Guidelines.)

**NOTE:**

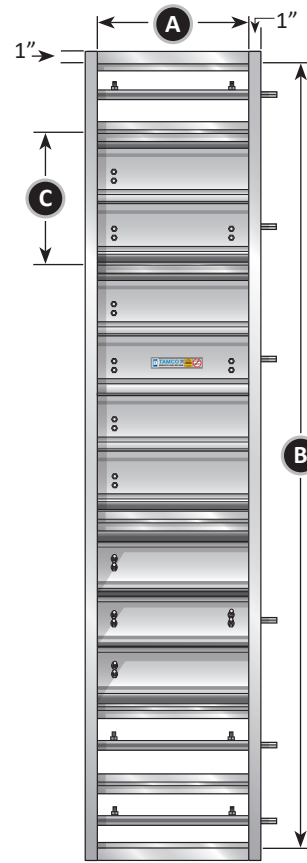
- Suitable for operation in breathable air environments within stated temperature range.
- Also available as Series 1000 MZ Two-Deck Multizone Air-Foil Control Dampers.

# DIMENSIONAL PARAMETERS | Series 1001 MZ

## One-Deck Multizone Air-Foil Control Damper

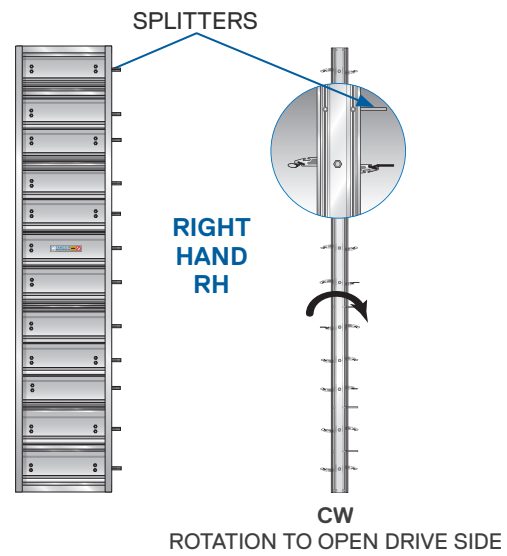
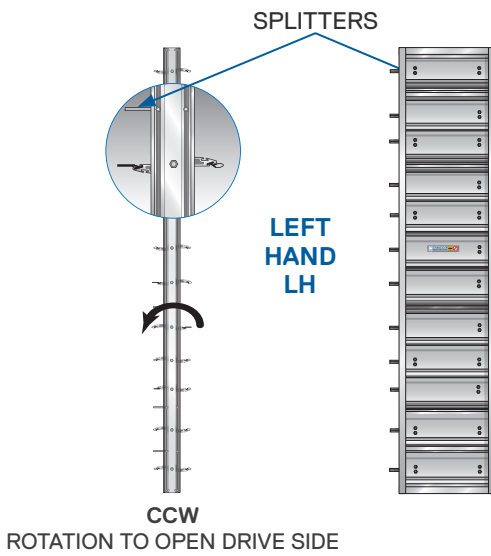
MINIMUM & MAXIMUM UNIT SIZES:		
<b>A</b>	MINIMUM:	6" (153 mm)
	MAXIMUM:	36" (915 mm)
<b>B</b>	MINIMUM:	4½" (115 mm)
	MAXIMUM:	120" (3048 mm)
C MINIMUM & MAXIMUM ZONE SIZES:		
	MINIMUM:	4½" (115 mm)
	MAXIMUM:	75" (1905 mm)

*(Dimensions refer to inside measurements of individual internal zone dividers or zone frames.)*



**SPLITTERS ON REVERSE SIDE**

**RIGHT HAND DRIVE SHOWN**



### FRONT / TOP END UP / RIGHT HAND

When the labels on the blades are viewed right side up, the damper orientation is Front/Top end up.  
When viewed as Front/Top end up, right hand (RH) has drive rods on the right. Left hand (LH) has drive rods on the left.

# SERIES 1001 MZ

ENGINEERING DATA AND SPECIFICATIONS

## FOR ADDITIONAL INFORMATION REFER TO:



### INSTALLATION GUIDELINES UNDER THE DOCUMENTS TAB:

- TAMCO Aluminum Control Damper Installation Guidelines
- Installing Vertical Blade Damper
- Damper Jumper Installation Guidelines
- Horizontal Jackshaft Installation Guidelines
- Vertical Jackshaft Installation Guidelines



### INSTALLATION GUIDELINE VIDEOS

## SPX ENGINEERED AIR MOVEMENT

80 Lorne Street  
Smiths Falls, ON K7A 5J7, Canada  
800 561 3449  
[tamcodampers.com](http://tamcodampers.com)

TA-1001MZ-TECH-24 | ISSUED 01/2024  
© 2024 SPX Engineered Air Movement | All rights reserved  
In the interest of technological progress, all products are  
subject to design and/or material change without notice.

**SPX**  
TECHNOLOGIES