

ZMD60 ZONE MIXING DAMPER

Extruded Aluminum – Double Deck

APPLICATION

The ZMD60 Zone Mixing Damper is suitable for multiple zone applications where high performance is required. The ZMD60 offers excellent performance with low leakage and the advantage of extruded aluminum construction.

STANDARD CONSTRUCTION

FRAME

6" x 1" x .125 (152 x 25 x 3.2) 6063T6 Extruded Aluminum Channel.

BLADES

6" (152) wide 6063T6 heavy gage Extruded Aluminum airfoil shape.

LINKAGE

Plated steel concealed in frame.

AXLES

1/2" (13) plated steel hex.

BEARINGS

Molded synthetic pressed into frame.

SEALS

Blade Edge - Extruded Ruskiprene (TPR) for -72°F to +275°F (-58°C to 135°C).

Jamb - Flexible metal compression type.

CONTROL SHAFT

Removable 1/2" (13) diameter, extends 6" (152) beyond frame.

FINISH

Mill.

MINIMUM SIZE

A₁ – 6" (152) A₂ – 6" (152) B – 6" (152)

MAXIMUM SIZE

A₁ – 30" (762) A₂ – 30" (762) B – 96" (2438)

ZONE SIZE

6" (152) or multiples of 6" (152).

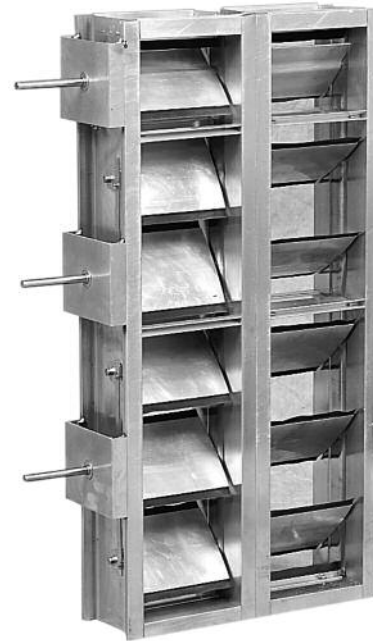
ZONING

Zones must be 6" (152) or exact multiples of 6" (152). Zones are numbered from Top to Bottom 1 thru X (16 Maximum) when looking into Air Flow. Operating shafts always on right side. (As shown below). Zone dividers and operating shaft supplied for zoning as ordered. Additional zone dividers and operating shafts can be added in field.

*If zoning is not known, order unit with all 6 inch zones and indicate "Link All Zones Together."

Dimensions shown in parenthesis () indicate millimeters.

When ordering fill out chart on page two.



ISO9001
CERTIFIED

FEATURES

EXTREMELY LOW LEAKAGE – Less than 6 cfm/sq. ft. at 1 in. w.g. Linkage out of airstream – concealed in frame for low maintenance and reduced air turbulence.

HEXAGONAL AXLES – Insure positive locking connection between blades and axles.

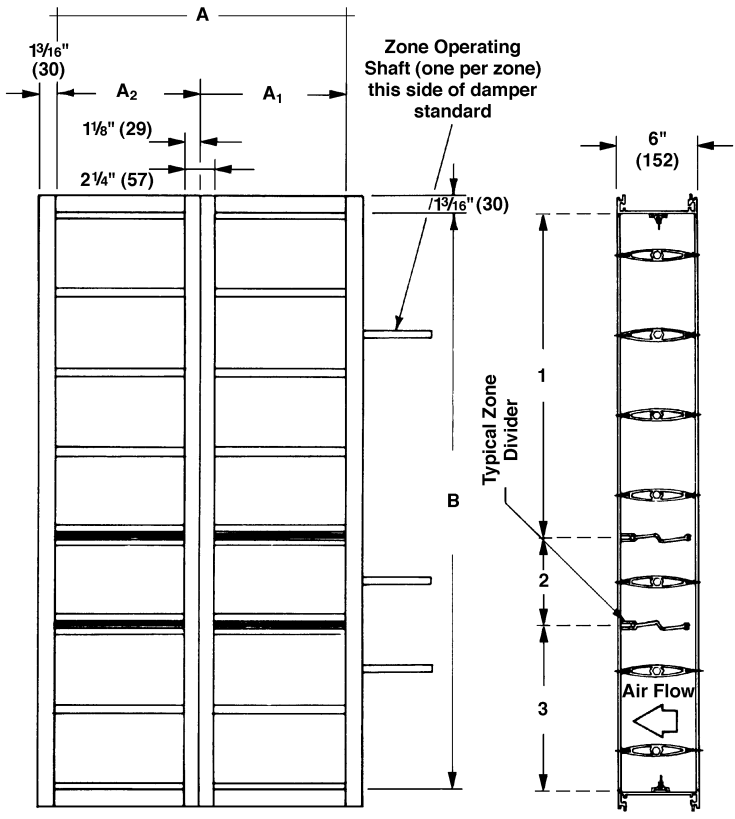
BLADE EDGE SEALS – Seals are locked in extruded blade slots yet are easily field replaceable.

VARIATIONS

Variations to standard design are available at additional cost and include:

- 4" (102) zones (zones must be exact multiples of 4" [102]).
- 3" (76) zones (zones must be exact multiples of 3" [76]).

Qty.	DIMENSIONS – Sum of Zone Dimensions Must Equal B Dimension																*Link All Zones Together								
	A		B	ZONES																					
	A ₁	A ₂		1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16					



SUGGESTED SPECIFICATION

Furnish and install at locations shown on plans or as described in schedules ultra-low leak airfoil multi-zone control dampers meeting the following minimum construction standards. Dampers shall be manufactured in an ISO9001 certified facility. Damper frame and blades shall be 6063T6 high yield strength extruded aluminum. Frame shall be 6" (152) deep extruded aluminum hat channel. Blades shall be 6" (152) wide heavy gage aluminum airfoil shape. Each blade shall incorporate high-performance Ruskiprene™ blade edge seals that are locked in extruded blade slots yet are easily

field replaceable. Clip-on or glued seals are not acceptable. Blade seal material shall have a constant temperature range of -72°F to 275°F (-58°C to 135°C) with no cracking or tackiness. Individual zones shall be made up of 6" (152) zone height. [3" (76) and 4" (102) heights are optional]. Compression type jamb seals shall be 300 series stainless steel to ensure low torque and tight shut-off. Linkage shall be fully concealed within the frame to reduce pressure drop. Dampers shall be equivalent in all respects to Ruskin Model ZMD60.



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