



Controlling Your Comfort Room by Room

Manual Balancing Damper Model MBD

The Zonefirst Manual Balancing Damper (MBD) is designed/used to provide air volume control. The dampers are available in the ZD Series construction configuration (side or bottom mount) of extruded aluminum frame with parallel blades and self lubricating bushings and Round Series, single blade. Both configurations are controlled by an adjustable manual quadrant, adjustable from full open to full closed with a snap locking positioning lever.

The ZD Series MBD Dampers are available all in even sizes from 8" x 8" to 36" x 24". All dampers are 1/4" undersized from their listed size. Dampers are ordered as MBDS for side mount, width by height, as the quadrant and end plate will be on the smaller dimension, for typical insertion into the side/shorter dimension of the duct. The MBDB denotes bottom mount and is ordered height by width. The quadrant and end plate are on the longer dimension for typical insertion into either the bottom or top of the duct. Dampers are ordered as MBDSwwhh (side mount) or MBDBhhww (bottom mount), using 2 digits for each dimension.

The Round Series MBD Damper are available in 4" 5", 6", 7", 8", 9", 10", 12", 14", 16", 18" and 20" diameters. Dampers are ordered as RMBDdd, using 2 digits for each dimension.

All MBD dampers are shipped in the Open position ready for installation.

The MBD is recommended for air pressures up to 2" W.C.



MODEL SHOWN ABOVE: MBDS (Side Mount)

Damper Specifications: ZD Series Configuration

Construction – Aluminum Mill Finish, Mitre Angles
Linkage – Zinc plated linkage arm, Delrin bushings
Dimensions – 8" x 8" to 36" x 24" in 2" increments, 1/4" undersized.

Custom sizes also available

Static Pressure – Maximum 2.0 "W.C.



MODEL SHOWN ABOVE: RMBD

Damper Specifications: Round Configuration

Construction – 24 Ga. Galvanized Steel (4"-8")
22 Ga. Galvanized Steel (9"-20")

Sizes – 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"

Duct Pressure – Maximum 2.0" W.C.