

### Application

Model MBD-10M is a manual balancing damper designed to regulate the flow of air in a HVAC system. they are not intended to be used in applications as a positive shut off or for automatic control. The manual quadrant has an integral pointer for easy visual blade position indication.

### Ratings

**Pressure:** 1 in. wg (0.25 kPa) - pressure differential

**Velocity:** Up to 2,000 fpm (10.2 m/s)

**Temperature:** Up to 180°F (82°C)

Construction	Standard
Frame Material	Galvanized Steel
Frame Thickness	22 ga. (0.8mm)
Blade Material	Galvanized Steel
Blade Thickness	20 ga. (1mm)
Axle Material	½ in. (13mm) Plated Steel
Bearings	Synthetic (acetal) sleeve type
Operator	¾ in. (10mm) sq. locking manual quadrant
Operating Shaft	¾ in. (10mm) sq., 2½ in. (64mm) long extension

Size Limitation		
W x H	Minimum	Maximum
in. (mm)	8 x 4 (203 x 102)	36 x 12 (914 x 305)

### Options

- 1½ in. (38mm) standoff bracket
- 2 in. (51mm) standoff bracket

The standoff bracket with axle pin accommodates for the thickness of external duct insulation.

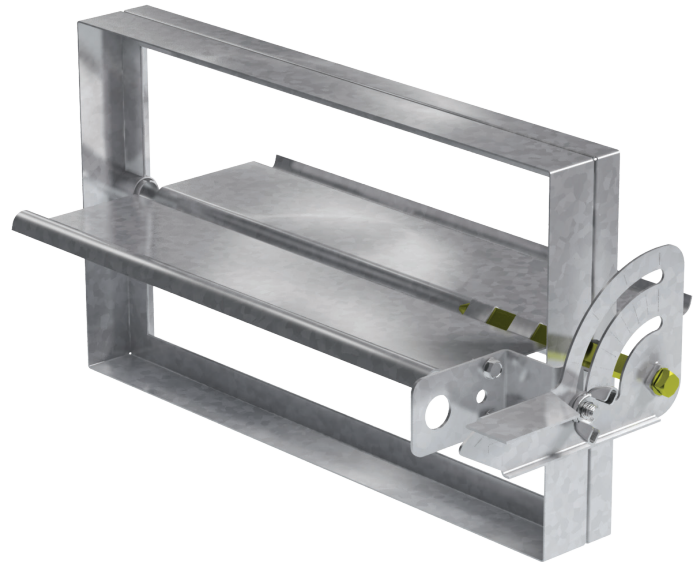
### Specifications

Manual balancing dampers meeting the following specifications shall be furnished and installed where shown on plans and/or as described in schedules.

Damper shall consist of : 22 ga. (0.8mm) galvanized steel frame with 1⅞ in. (48mm) depth; blades fabricated from 20 ga. (1mm) galvanized steel; integral ¾ in. (10mm) dia. axles; sytnhetic (acetal) sleeve bearings to minimize axle leakage.

Damper manufacturer's printed application and performance data include pressure, velocity, and temperature limitations shall be submitted for approval showing damper suitable for pressure up to 1 in. wg (0.25 kPa), velocities up to 2,000 fpm (10.2 m/s), and temperature up to 180°F (82°C). testing and ratings to be in accordance with AMCA Standard 500-D.

Basis of design is model MBD-10M.



\*W & H dimension furnished approximately ¼ in. (6mm) undersize. Manual quadrant is sent as a kit for field installation.

