

Application

Model MBDR-50 is a round manual balancing damper designed to regulate flow of the air in a HVAC system. They are not intended to be used in applications as a positive shut off or for automatic control.

Ratings

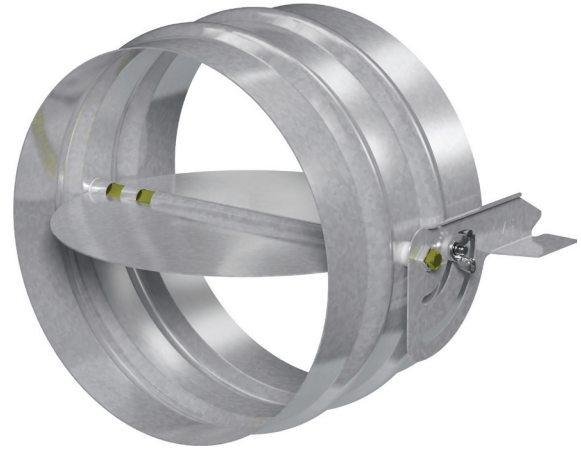
Pressure: Up to 1 in. wg (.25 kPa) - pressure differential

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

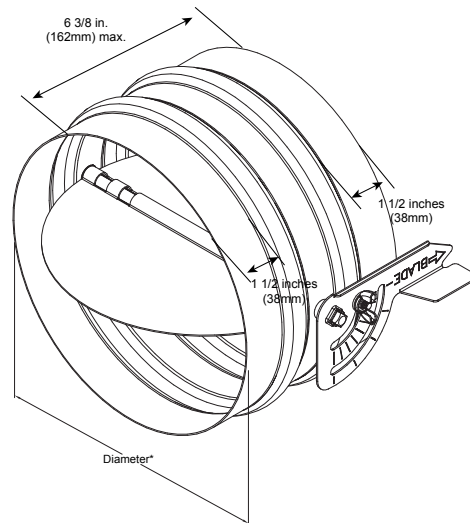
Temperature: Up to 180°F (82°C)

Construction	Standard
Frame Material	Galvanized Steel
Frame Thickness	20 ga. (1mm)
Blade Material	Galvanized steel
Axle Bearings	Synthetic (acetal) sleeve
Axle Material	Plated Steel
Operator	3/8 in. (10mm) sq. Locking manual quadrant

Diameter	Minimum	Maximum
in. (mm)	4 in. (102)	24 in. (610)



*D dimension furnished approximately 1/8 in. (3mm) undersize.



Options

- 1 1/2 in. (38mm) stand off bracket (with extended pin) to accommodate for the thickness of external duct insulation
- 2 in. (51mm) stand off bracket

Specifications

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

Dampers shall consist of: a 20 ga. (1mm) galvanized steel frame with 6 3/8 in. (162mm) depth; blades fabricated from 20 ga. (1 mm) galvanized steel; 3/8 in. (10mm) square plated steel axles, and acetal bearings.

Damper manufacturer's printed application and performance data including pressure, velocity, and temperature limitations shall be submitted for approval showing damper suitable for pressures up to 1 in. wg (0.25 kPa), velocities up to 2,000 fpm (10.2 m/s) and temperatures up to 180°F (82°C).

Basis of design is model MBDR-50.

