GREENHECK®
DAMPERS AND LOUVERS

MANUAL BALANCING DAMPER

Model MBDR-50

ROUND

Application and Design

Model MBDR-50 is a round manual balancing damper designed to regulate 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.

Ratings

Pressure: 1.0 in. w.g. - pressure differential.

Velocity: 2000 fpm.

Temperature: 180°F.

Standard Construction

Frame: Reinforced 20 ga. galvanized steel.

Blades: 20 ga. galvanized steel.

Axles: 3/8" sq. plated steel.

Bearings: Synthetic (acetal) sleeve type.

Operator: 3/8" sq. locking manual quadrant.

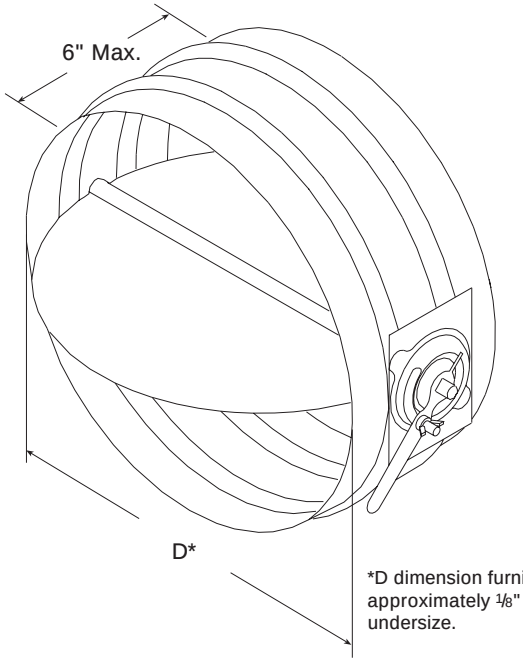
Size Limitations

Minimum Size: 5" dia.

Maximum Size: 24" dia.

Options (at additional cost)

- 1 1/2" standoff bracket (with extended pin) to accommodate for the thickness of external duct insulation.

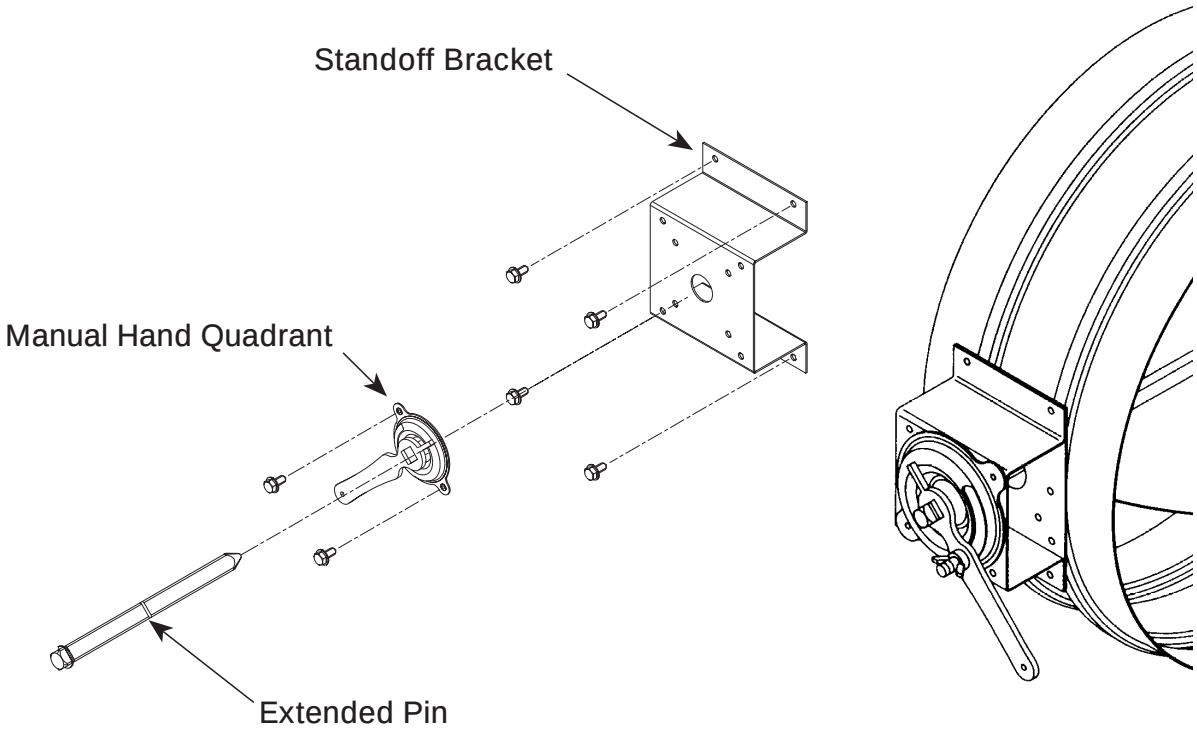


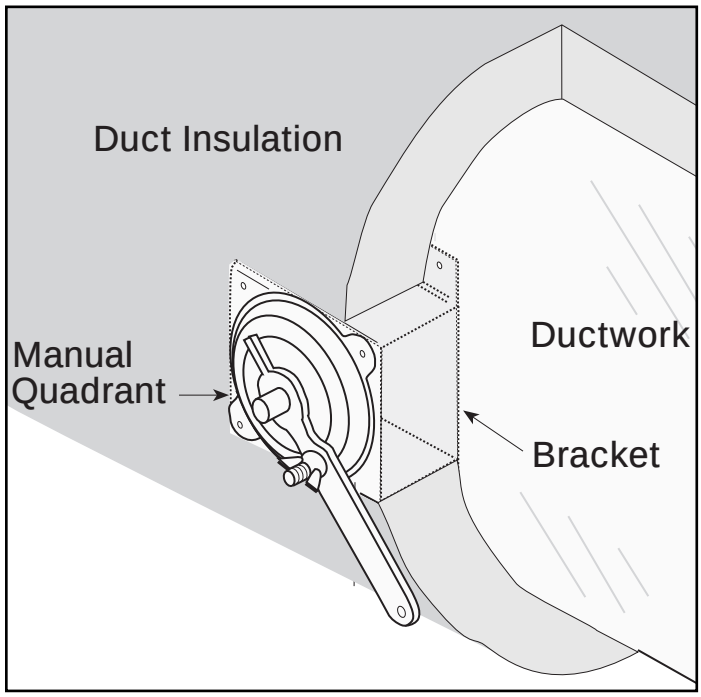
Mark	Qty.	Diameter D	Remarks

Project Location

Contractor Design Specifier

Standoff 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. galvanized steel frame with 6" depth; blades fabricated from 20 ga. galvanized steel; ⅜" square plated steel axles turning in 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 to 1.0" w.g., velocities to 2000 fpm and temperatures to 180°F. Testing and ratings to be in accordance with AMCA Standard 500. Basis of design is Greenheck model MBDR-50.

NOTE: Temperatures in excess of 180°F require special consideration.

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