

Application

Model RBD-15 is a remote 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 design incorporates heavy gauge galvanized steel construction for durability and longevity.

Ratings

Pressure: Up to 4 in. wg (1 kPa) - pressure differential

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

Temperature: 180°F (82°C)



*W & H dimension furnished approximately ¼ in. (6mm) undersize. Actuator kit is shipped loose for field assembly.

Construction	Standard	Optional
Frame Material	Galvanized Steel	-
Frame Thickness	16 ga. (1.5mm)	-
Frame Type	5 in. x 1 in. (127mm x 25mm) Channel	-
Blade Material	Galvanized steel	-
Blade Thickness	16 ga. (1.5mm)	-
Blade Type	3V	-
Blade Operation	Opposed	Parallel
Axles	Integral ½ in. (13mm) dia.	-
Axle Bearings	Synthetic (acetal) sleeve	-
Linkage Material	Plated Steel	-
Operator	9 volt actuator (shipped as a kit for field installation)	-

Features

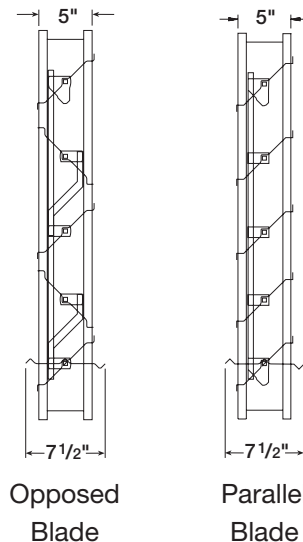
- Linkage concealed in jamb

Options

- Clean wrap

Size Limitations

W x H	Minimum Size*	Maximum Size
		Single Section
Inches	6 x 6	4 sq. ft.**
mm	152 x 152	.372 sq. meters
* Note: If the height is less than 9 in. (229mm) or less, the damper will have one blade.		
** Width and Height limited to 48 in. (1219mm).		

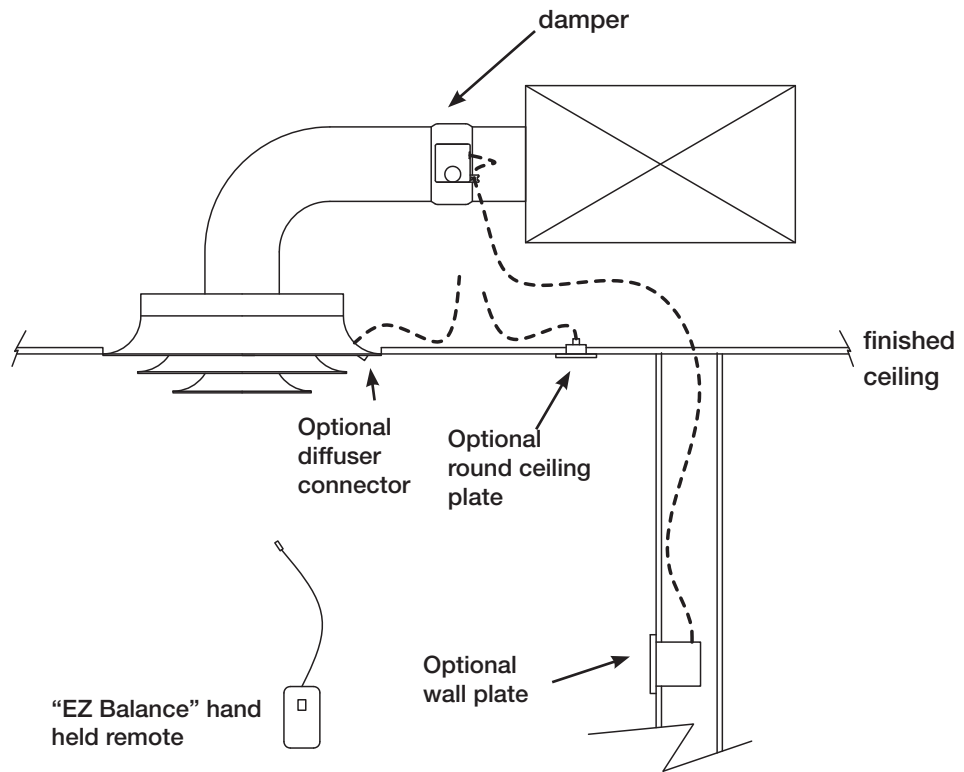


Performance Data

Maximum recommended system pressure and velocity ratings are conservative to prevent misapplication. Dampers are structurally capable of withstanding higher limits, however it is recommended that Greenheck be contacted for an engineering evaluation before exceeding these limits.

Temperature: Applications above 180°F (82°C) may require special considerations.

Damper Width in. (mm)	Maximum System Pressure in. wg (kPa)	Maximum System Velocity fpm (m/s)
48 (1219)	2 (.5)	2000 (10.2)
36 (914)	2.5 (.63)	
24 (610)	3 (.75)	
12 (305)	4 (1)	



Note:
All wire connections are made with prewired RJ11 plugs and sockets. No additional wiring or tools required.

Note: Utilizing any controller other than 'EZ Balance' remote to adjust the RBD-15 damper voids the actuator warranty.

Specifications

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: 16 ga. (1.5mm) galvanized steel hat channel frame with 5 in. (127mm) depth; triple V type blades fabricated from 16 ga. (1.5mm) galvanized steel; 1/2 in. (12mm) dia. plated steel axles; external (out of the airstream) blade-to-blade linkage.

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 4 in. wg (1 kPa), velocities up to 2,000 fpm (10.2 m/s) and temperatures up to 180°F (82°C). Temperature and ratings to be in accordance with AMCA Standard 500-D.

Basis of design is model RBD-15.