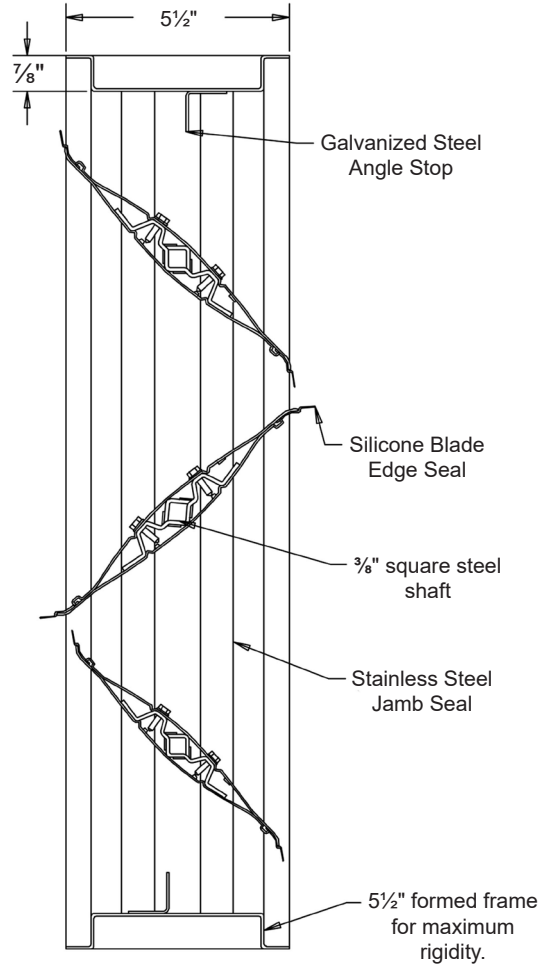


**Steel Control Damper** ▲ 5½" Deep ▲ 6¼" Airfoil Blades ▲ Parallel (AC515) or Opposed (AC516) ▲ 150°F Max Temperature

**STANDARD MATERIALS AND CONSTRUCTION**

- FRAME:** 5½" x 7⁄8" x 16-GA galvanized steel hat channel.
- BLADE:** Airfoil shaped, double skin galvanized steel construction, 6¼" wide.
- LINKAGE:** Plated steel tie bar and crank plates with stainless steel pivots contained in jamb.
- BEARINGS:** Heavy duty molded nylon.
- AXLES:** ¾" square steel.
- DRIVESHAFT:** ¾" square steel, extendable 6" beyond damper frame.
- SEALS:** Silicone on blade edges, and stainless steel at jamps.
- STOPS:** Galvanized steel angle at head and sill.
- FINISH:** Mill.



**OPTIONS**

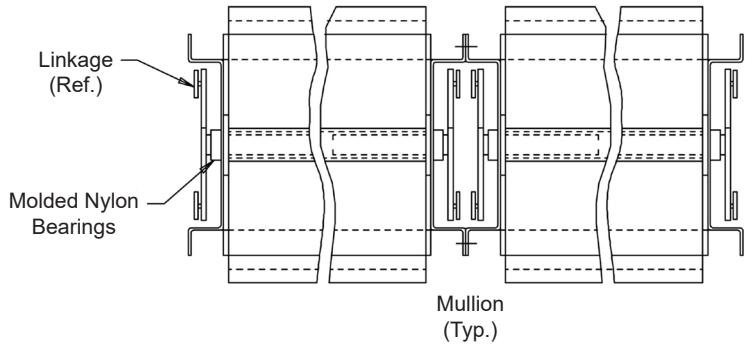
- Exact Size
- Material - 304 Stainless Steel
- Face/Bypass - Vertical, Horizontal, or Perpendicular
- Sleeve - Transition - Sideplate
- Vertical Blades
- Flange - Front, Rear, or Both
- Blade Seal - Vinyl
- Jamb Seal - Stainless Steel
- Jackshafting
- Actuators - Manual Quadrants, 120V, 24V, 230V or Pneumatic
- Position Indication Switch - PK1200, Small Aux Switch, or Integral to Actuator Transformers
- Explosion Proof Housing
- Pilot Positioner
- Copper Tubbing
- Tab-Lock Retaining Angles - 1 or 2 Sets
- Bearings - OIB or Stainless Steel
- Axle - Stainless Steel
- Security Bars
- Finishes - Baked Enamel, Baked Epoxy, or Prime Coat

**NOTES**

1. Nominal deductions will be made to the opening size given.
2. Depending upon damper height, a variable width blade may be required, which will extend to a maximum of 3¼" from either the front or back of the damper. Contact the factory if the exact dimensions of this variable blade are critical.
3. Shipping weight approximately 6.5 lbs./sq.ft.

**DAMPER SIZES**

Panels	Min Panel	Max Single Panel
Parallel Blade	8"W x 7"H	48"W x 72"H
Opposed Blade	8"W x 14"H	48"W x 72"H



Item #	Qty	Damper Size		Parallel Blades	Opposed Blades	Seals	Actuator Model	Act. Location		Function		Union Made
		Width	Height					Interior	Exterior	N.C.	N.O.	
<b>Arch. / Eng.:</b>						<b>EDR:</b>		<b>ECN:</b>		<b>Job:</b>		
<b>Contractor:</b>								<b>DWN:</b>		<b>DWG:</b>		
<b>Project:</b>												



Dampers ▲ Louvers  
UL Life Safety Products  
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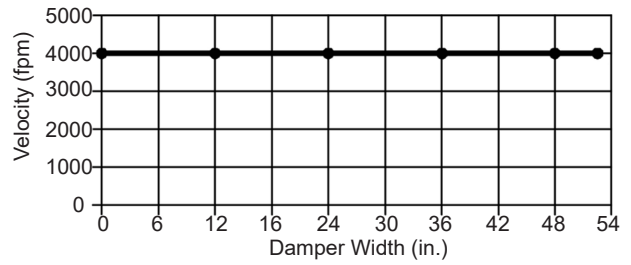
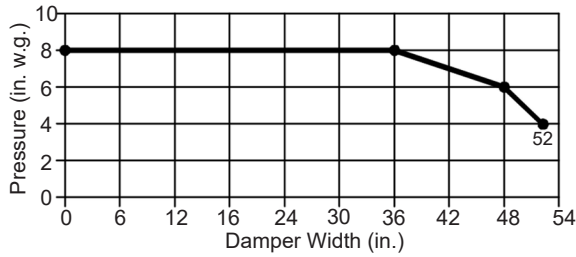
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In the interest of product development, Air Balance reserves the right to make changes without notice.  
450 Riverside Dr • Wyalusing PA, 18853 • Phone 570-746-1888 • Fax 570-746-9286

**Steel Control Damper** ▲ 5½" Deep ▲ 6<sup>9</sup>/<sub>16</sub>" Airfoil Blades ▲ Parallel (AC515) or Opposed (AC516) ▲ 150°F Max Temperature

### PRESSURE LIMITATIONS

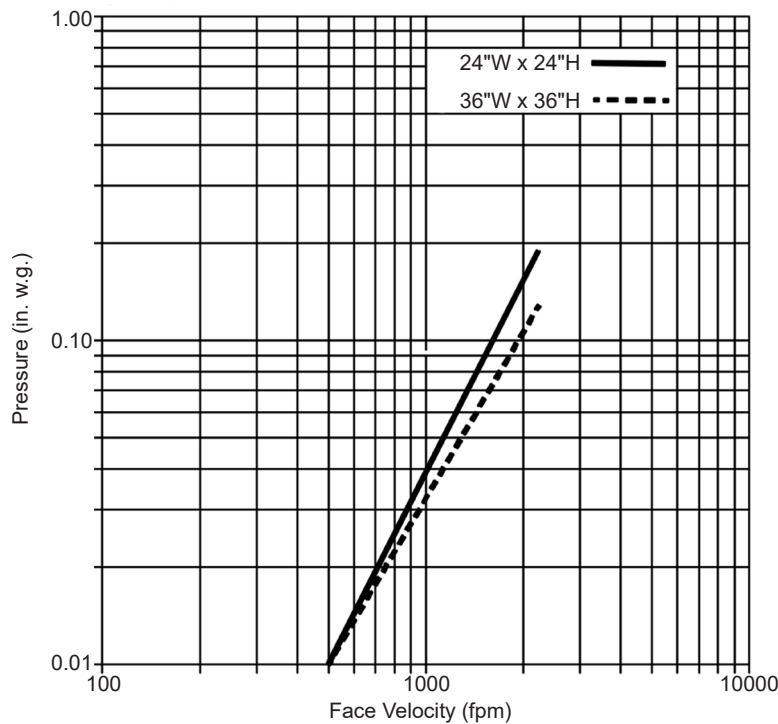
The pressure limitations shown below are based on the design limits of the axles or blade deflection. Another model should be selected if pressure exceeds the values shown.



### PRESSURE DROP

Pressure Drop Ratings are tested in accordance with AMCA Standard 500 using test set-up Fig. 5.3 for dampers installed with duct upstream and downstream. Static pressures are corrected to .075 lb./cu.ft. air density.

NOTE: Curves are shown for the two sizes indicated. Pressure Drops will be somewhat lower for larger sizes and somewhat higher for smaller sizes.



### AIR LEAKAGE

Leakage for Models AC515 and AC516 shall not exceed 4.0 CFM per sq.ft. at 1 in. w.g. differential pressure and at a temperature of 70°F. Data are based on a seating torque of 40 in. lbs. for dampers less than 4 sq.ft. in size. Dampers above 4 sq.ft., .5 in.lbs.per sq.ft. is applied to hold the damper in the closed position. Data is based on a 48\"/>

Values shown in the note above are derived from tests performed in accordance with AMCA Standard 500 and are stated in SCFM at 1 in. w.g. Use the conversion factors in the table below for leakage values at greater pressures.

Pressure	Conversion Factor
2 in. w.g.	1.41
3 in. w.g.	1.73
4 in. w.g.	2.00