Model AD1 - AD2

Extruded Aluminum Damper • 5” Deep • Single Thickness Blade • AD1 (Parallel) or AD2 (Opposed)

STANDARD CONSTRUCTION

FRAME: 5" deep x 12 GA. (.081" nominal) extruded aluminum. Hat channel with reinforcing bosses and groove inserts for silicone seals.

BLADE: 6" wide x .125" thick (nominal) extruded aluminum. Single unit airfoil design, with the pin-lock an integral section within the blade core.

SHAFTS: ½" dia. extruded aluminum, pin-lock design interlocking into blade section.

BEARINGS: "Double-Sealed" type with celcon inner bearing on axle riding in polycarbonate outer bearing inserted in frame so that outer bearing cannot rotate. Axle bearings to be designed for no metal-to-metal or metal-to-bearing riding surfaces. Interconnecting linkage to have celcon bearings to eliminate friction in linkage.

SEALS: Extruded silicone rubber seal. Stainless steel spring jamb seals.

LINKAGE: Installed in frame, out of airstream. Installation of assist linkage shall be determined by the factory and installed as necessary. All hardware to be non-corrosive reinforced material or plated steel.

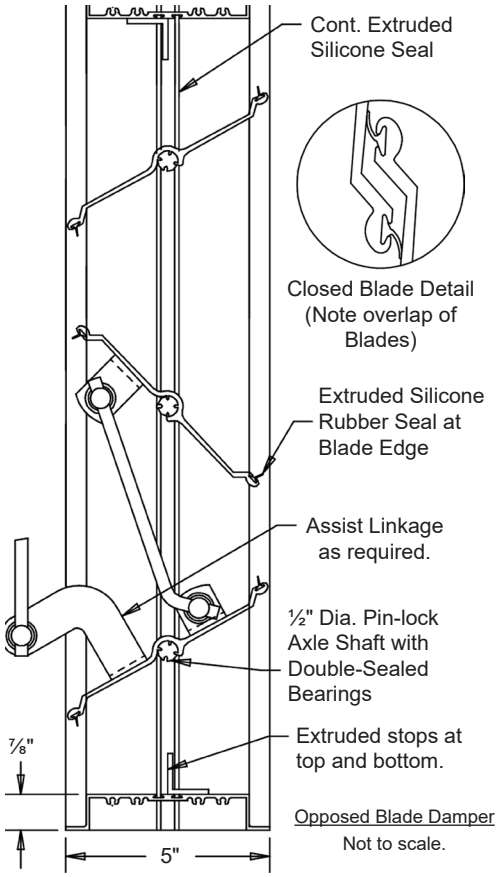
FINISH: Mill.

OPTIONS

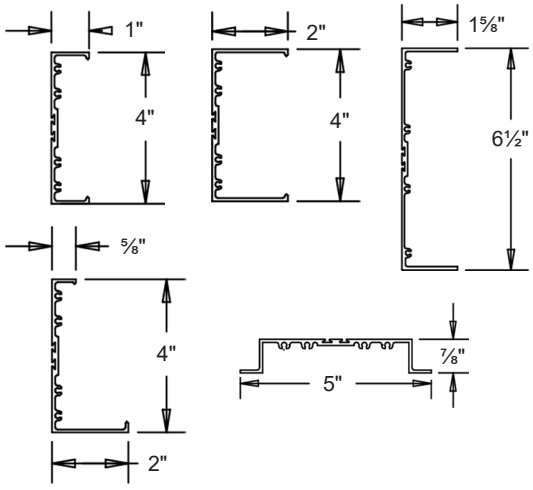
Hand Quadrants
120V, 24V Electric, or Pneumatic Actuators
Jackshafting
Auxiliary Switch
Explosion Proof Housing
Clear anodize blades and frames (204-R1)
304 Stainless steel jamb linkage
Stainless steel bearings

NOTES

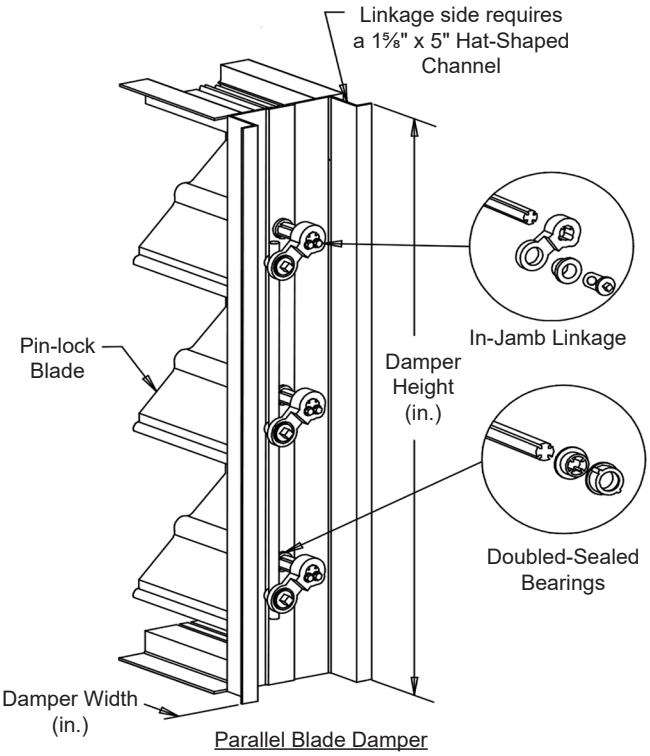
1. Nominal deductions will be made to the opening size given.
2. Please specify blade operation: AD1 parallel blades or AD2 opposed blades.
3. Approximate shipping weight is 5.5 lbs./sq.ft.



Opposed Blade Damper
Not to scale.



Optional Frames
.125" nominal thickness



Parallel Blade Damper

For handwritten orders, use the schedule block on page 2.

In the interest of product development, Louvers & Dampers reserves the right to make changes without notice.

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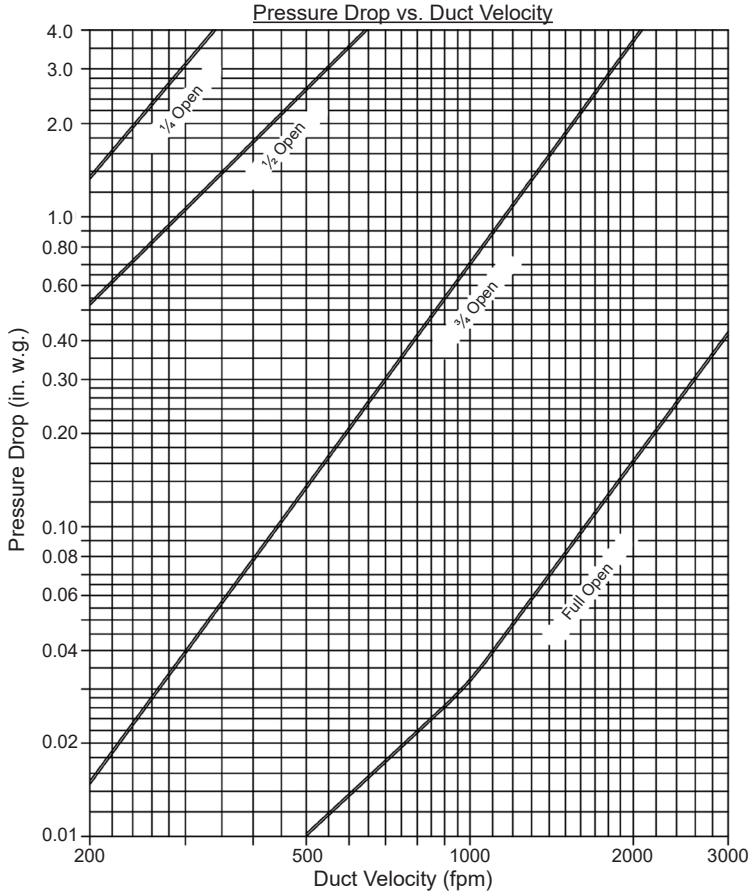
Model AD1 - AD2

Extruded Aluminum Damper • 5” Deep • Single Thickness Blade • AD1 (Parallel) or AD2 (Opposed)

PERFORMANCE DATA

Pressure drop ratings are based on AMCA Standard 500-D using test set-up Fig. 5.3 for damper installed with duct upstream and downstream. Static pressures are corrected to .075 lb/cu.ft. air density.

Pressure Drop vs. Duct Velocity



Air Leakage

Air Leakage ratings are based on AMCA Standard 500-D using test set-up Fig. 5.4. The test results indicate exceptional low leakage. Damper leakage performance meets specifications required less than ½% of 1% for damper range of sizes.

Maximum Damper Width	Maximum System Static Pressure	Maximum System Velocity	Air Leakage (CFM/sq.ft.)
48"	2.0" w.g.	2000 FPM	7.5 CFM/sq.ft.
36"	2.5 w.g.	2500 FPM	10.5 CFM/sq.ft.
24"	2.5" w.g.	2500 FPM	10.5 CFM/sq.ft.
12"	4.0" w.g.	3000 FPM	13.2 CFM/sq.ft.

Item #	**Qty**	**Damper Width**	**Damper Height**		**Union Made**
Arch. / Eng.:					
Contractor:					
Project:					
EDR:		**ECN:**		**Job:**	
Date:		**DWN:**		**DWG:**	

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