



**Young Regulator Co.**

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Submit 820ALP – 1-10

**Model 820ALP**

*Rectangular Opposed Blade Damper  
Manual Control with Mounting Plate*

**Application and Design**

The 820ALP is a manual, aluminum opposed blade damper with a mounting plate to regulator airflow in square or rectangular duct systems. The opposed blade design distributes air evenly over the face of the damper, thereby reducing noise and turbulence when damper is restricting airflow. Individual synthetic blade bushings prevent the blade pivot from rattling in the frame. This is a high free area damper for lower pressure drop across the damper. The galvanized steel mounting plate enables simple slip-in installation by cutting a 2 1/4" slot in the side of the duct and securing the damper plate with the 4 screw holes (screws by others). A commercial quality locking quadrant to operate and lock the blades in place is included.

The 820ALP has side duct control and is furnished with a 403 lever-type locking regulator with a 3/8" operating shaft. The 403 locking regulator has a position indicator.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Shaft	3/8" sq. Plated Steel
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
Low Leak Seals	Not Available

SIZE INFORMATION	
Damper 3/16" Undersized High & Wide	
Frame Width	2 1/8" Wide
Blade Width	1.438" - Contained Within Frame
Max Size	24" x 24" Side Controlled 36" x 24" Bottom Controlled
Min Size	3" x 3"
OPTIONS	
1", 2", or 3" standoff for exterior insulated duct	
Face Operated (821-A)	
Cable controlled for inaccessible dampers (Model 830ACC)	Extended Plate for Interior Lined Duct (Call the Factory)

QUANTITY	WIDE	HIGH	NOTES

<b>PROJECT</b>	<b>LOCATION</b>
<b>CONTRACTOR</b>	<b>DESIGN SPECIFIER</b>