



**Young Regulator Co.**

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Submit 820AL – 1-10

**Model 820AL, 820ALN**  
*Rectangular Opposed Blade Damper*  
*Manual Control with Locking Quadrant*

**Application and Design**

The 820AL is a manual, aluminum opposed blade damper with a locking quadrant 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 820AL provides a locking quadrant with a position indicator. The 820ALN provides a locking quadrant on a 1" base for an exterior insulated duct. The 820ALN-2 provides a locking quadrant on a 2" base. And the 820ALN-3 provides a locking quadrant on 3" base.

The damper is 2 1/8" deep and the blades are contained within the frame.



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

SIZE INFORMATION	
Frame Width	2 1/8" Wide
Blade Width	1.438" - Contained Within Frame
Max Size	24" x 24" Side Controlled 36" x 24" Controlled Bottom Mount
Min Size	3" x 3"
Dampers 37" - 60" Wide will be jackshafted	

OPTIONS	
443B Quadrant on 2" Base (Model 820ALN-2)	
443-3 Quadrant on 3" Base (Model 820ALN-3)	
Cable controlled for inaccessible dampers (Model 830ACC)	Slip-in Mounting Plate (Model 820ALP)
	Face Operated (821-A)

QUANTITY	WIDE	HIGH	NOTES

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