



Young Regulator Co.

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Submit 821-A – 1-10

Model 821A

Rectangular Opposed Blade Damper

Manual Control, Face Operated

Application and Design

The Young Regular Model 821A dampers are standard, manual, opposed blade volume control dampers, that regulate airflow in square or rectangular duct systems. The 821A is controlled from the face of the damper with a Phillips screwdriver. Individual Teflon blade bushings provide smooth, quiet operation for the life of the damper. This is a high free area damper for lower pressure drop across the damper. The gear rack converts rotational motion into linear motion when the spur gear is run against it. A gear that turns to move the rack is fastened to the stainless steel slide mechanism and is held in place with a Nylock nut that maintains pressure and resistance to prevent the blades from moving under higher velocities or pressures. The opposed blade design provides more uniform air control reducing turbulence and lowering noise levels.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
Low Leak Seals	Not Available
Max Pressure	4" W.C.

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	
Stainless Steel Construction	Tamper Proof, Hex Head or Star Head Adjustment Screw

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER