



**Young Regulator Co.**

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Submit 800AW – 1-10

**Model 800AW**

*Opposed Blade Damper*

*Controlled with a Flexible Casing and Wire*

*Inside the Air Stream*

**Application and Design**

The Young Regulator Model 800AW is easily installed in the duct before the diffuser to control the volume of air flow. Damper blades operate simultaneously in opposing directions, from fully closed to 90° open. The opposed blade damper distributes the air evenly over the entire face of the grille. A flexible casing and wire is attached to the damper's operating slide. The opposite end of the wire is terminated inside the air stream near the grille. The push / pull motion of the inner wire moves the slide to open or close the damper. Once adjusted, the damper can be locked into position by tightening a setscrew on the locking coupling. Damper and cable are shipped assembled for quick, labor saving installation.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusions w/ Stiffening Channels
Blade	.050 Aluminum Extrusions w/ Stiffening Channels, 1.44 Wide
Slide	Stainless Steel
Bushing	Individual Teflon Blade Bushings for Quiet Operation
Operator	Locking Push/Pull Bowden Style Wire and Casing with Locking Steel Coupling
Optional	Stainless Steel Damper Construction

SIZE INFORMATION (constructed 1/8" undersized)	
Minimum Size	4" x 3"
Maximum Size	24" x 12"
Damper Width	2 1/8"
DAMPER RATINGS	
Pressure	1" W.C.
Velocity	1000 FPM
Temperature	to 320° F
CASING AND WIRE	
Outer Sheathing	.1875 flexible galvanized spiral
Inner Wire	.054 stainless steel with tensile strength of 230,000 lbs
Standard Length	36" Custom lengths up to 15' available

QUANTITY	WIDTH	HEIGHT	CABLE LENGTH	NOTES
PROJECT				LOCATION
CONTRACTOR				DESIGN SPECIFIER