



Young Regulator Co.

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Submit 820-1200 – 1-10

Model 820-1200

*Opposed Blade Damper
 with Locking Worm Gear Regulator*

Application and Design

The Young Regulator Model 820-1200 rectangular opposed blade damper is constructed of aluminum and stainless steel for long, corrosion-resistant operation. It is ideal for balancing dampers where opposed blade design is desired for better control, less noise and turbulence than single blade dampers. Individual Teflon blade bushings provide smooth, quiet operation for the life of the damper. There is a mounting plate for slip-in installation. This is a high free area damper for lower pressure drop across the damper.

The Young 1200 self-locking right angle worm gear regulator installed at the factory, is used when an operating shaft must be carried down at a right angle to the damper shaft. It may be used together with a variety of Young regulators, including 301, 315, 896C and flex shaft to operate dampers from the ceiling line. The 1200 is made of heavy-duty steel and die cast construction.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum extrusion with reinforcing channels
Blades	.050 Aluminum extrusion with reinforcing channels
Mounting Plate	5" Wide x Damper Height
Shaft	1/2" Rd. Plated Steel
Slide	Stainless Steel
Bushing	Individual synthetic blade bushings

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"
Min Size	3" x 3"

REGULATOR	
The Young Model 1200 Worm Gear is a self locking regulator	
OPTIONS	
Bushing to allow worm gear to control dampers with 1/4" sq. / 5/16" round shaft	
CONTROL OPTIONS	
896C Regulator	301/315 Concealed Ceiling Regulator
Flex Shaft - See Pages: c-433, C-430, and C-432	030 Wrenches

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER