



**Young Regulator Co.**

7100 Krick Rd • Walton Hills, OH 44146  
 P: 440-232-9700 • F: 440-232-8266  
[www.youngregulator.com](http://www.youngregulator.com)

Submit 9500 – 1-10

**Model 9500**

*Aero-Vane Pressure Reducing Damper*

**Application and Design**

The Young Regulator 9500 series are electrically driven or thermostatically controlled pressure reducing dampers. They are constructed of a minimum 22 gauge galvanized steel housing with jamb seals. Gaskets are extruded aluminum and specially designed aerodynamic modulating Aero-Vanes. **The design of the Aero-Vanes allows linear finite static pressure control without hysteresis.** Aero-Vanes are individually driven to eliminate linkage adjustment problems. The design of the drive shaft allows interchangeability of electric, pneumatic, or manual controls. The 1" mounting flange around damper has 1/4" guide holes.

The optional Static Pressure Sensor / Controller is pre-wired at the factory for ease of installation. Sensing Element is made of a Neoprene diaphragm with pressure setpoint range of .17" to 2" W.C. (4.3mm to 50.8mm). Damper is installed with the diaphragm be in vertical position.



**DIMENSIONAL DATE**

Width	8" though 36" standard in single inch increments for single section with static pressure differential less than 2" W.C. If differential is 2" W.C. or greater, maximum vane length is 24" or less
Height	6" through 24" for Single Section in Even-Inch Increments
Shaft	3/8" Square
Low Leak Seals	Included

Note: Contact factory for efficiency, characteristics, and performance data

**SIZE INFORMATION**

Frame Width	8"
Max Size	36" x 24"
Min Size	8" x 6"

**HONEYWELL ML6161 ACTUATOR**

Non-spring return direct-coupled actuators. Floating actuators used with single pole double throw (SPDT) proportional and integral thermostats

Volts	24V
Watts	2
VA	2.2
Amp	0.085
Timing	90 Sec
Torque	35 in. lb.

**OPTIONS**

Motors - Honeywell, Belimo

**OTHER CONTROLS**

Static Pressure	ByPass
Pressure Reducing	Manual -Quadrant
Transformer	Pneumatic, 5-10 PSI, 8 -13 PSI

QUANTITY	WIDTH	HEIGHT	OPTIONS	NOTES

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