



YOUNG REGULATOR

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Submittal Data

RECTANGULAR OR ROUND DAMPER

Models 3081 and 4081 Pneumatic Control Dampers

Application and Design

Young 3081 Rectangular and 4081 Round pneumatic dampers are ideal for pressure dependent VAV zone control, air inlet, and exhaust vents, although they may be used to control air from in any branch system duct. Units are simple to understand and install while providing the comfort of modulating VAV. Perfect for retrofit.

Ratings

Pressure: 1" W.C.
 Velocity: 1500 CFM
 Temperature: -20°F to 120°F (-29°C to 49°C)

Standard Construction

Round

Shell and Blade: 20 gauge galvanized steel

Rectangular

Frame: .050 Aluminum Extrusions
 With Stiffening Channels
 Blade: .050 Aluminum Extrusions
 With Stiffening Beads

Slide Mechanism: Stainless Steel
 Mounting Plate: For slip in installation
 18ga. galvanized steel

Blade Axles: Teflon
 Drive Shaft: 1/2" Steel

Operator: Direct Coupled Rotary Pneumatic
 5-10 psi range
 42/85 in. lbs. Spring range
 gas filled nylon body w/ neoprene diaphragm

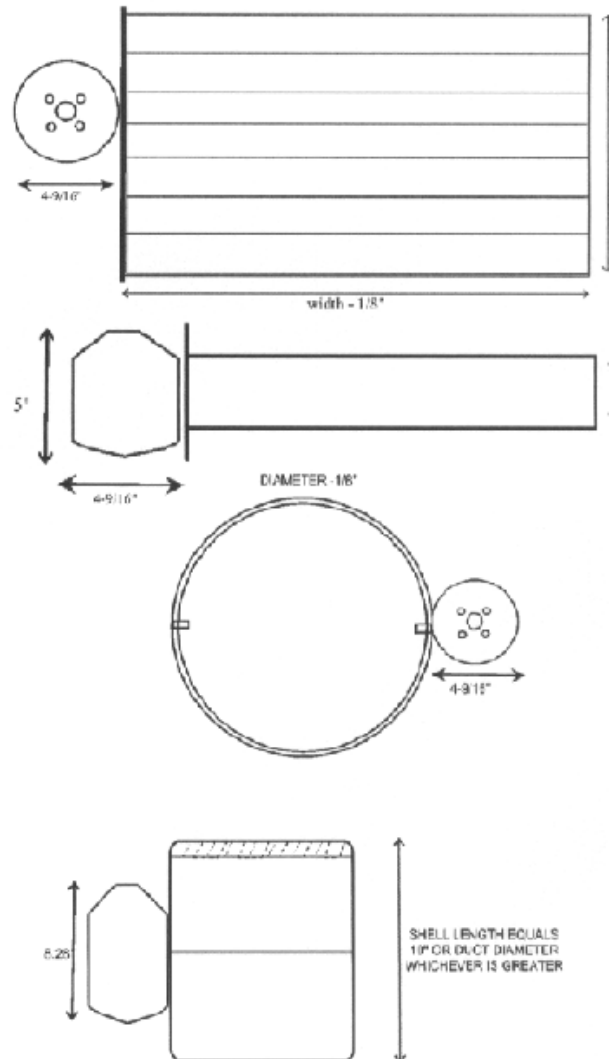
Size Information:

Round

Shell length: 4" – 18"
 10" or duct diameter
 whichever is greater
 Shell Diameter: 1/8" Undersized

Rectangular

Minimum Size: 4" x 3"
 Maximum Size: 24" x 24" Side Mount
 Damper undersize by 1/8"
 Frame Thickness 2-1/8"



Options (at additional costs)

- 8 – 13 lb. Rotary actuator
- Seals for low leakage – Round Only

Quantity	Size		
	W	H	
Project			Location
Contractor			Design Specifier