

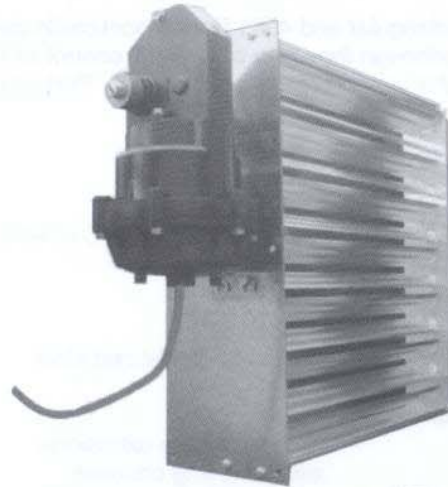
3081 Rectangular and 4081 Round Pneumatic Variable Volume Dampers

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 in any branch duct. Units are simple to understand and install while providing the comfort of modulating VAV. Perfect for retrofit.

Features:

For 3081:

- Heavy-duty extruded aluminum and stainless steel construction for long, corrosion-resistant life.
- Opposed blade damper distributes air evenly over face of grille.
- New, individual blade bushings for smoother and quieter operation.
- Direct drive, no linkage.
- Mounting plate provided for slip-in installation in the side of the duct.



For 4081:

- 90° butterfly design.
- Spiral shell is constructed of heavy duty galvanized steel with rolled-in stiffening beads for superior rigidity. Shell has one crimped and one straight end.
- New "V" style damper blade is secured with steel shafts and oil impregnated bronze bearings requiring no lubrication.
- EPDM low leakage seals.



Actuator change is quick and easy and the noise level and air velocity changes are kept to a minimum for both models. The minimum position stop is easily adjusted.

Operation:

Both dampers are designed to work with low pressure systems up to 1" W.C., and are driven by a 5 to 10 lb. Spring range pneumatic actuator installed in the factory. Damper operation is direct-acting, normally closed. The actuator can be operated from a pneumatic thermostat or static pressure controls.

Available Sizes:

Sizes for the 3081 range from 8 x 6 through 24 x 24.
Please contact the factory for intermediate and larger sizes.
Sizes for the 4081 are 4" - 20".
Damper length is 10" for 4" - 8" diameter.
For 10" - 20" equals diameter. (length equals diameter.)
Please call the factory for intermediate or larger sizes.

Options:

- 8 to 13 lb. spring range pneumatic actuator
- Spring closed / Power Open

