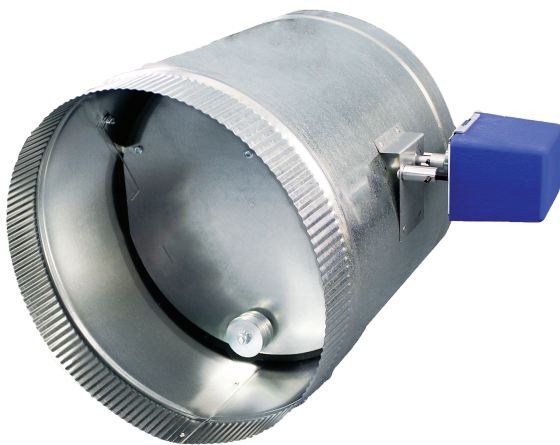


NO ***BYPASS REQUIRED!***

A Major Breakthrough in Zoning



Barometric Zone Damper



PATENTED

- No adjustments
- Cuts system cost
- Requires less space
- Requires less labor
- Increases system efficiency
- Reduces chance of coil freeze up
- 5 year warranty



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SYSTEMS
Controls Done Right™

Barometric Zone Damper

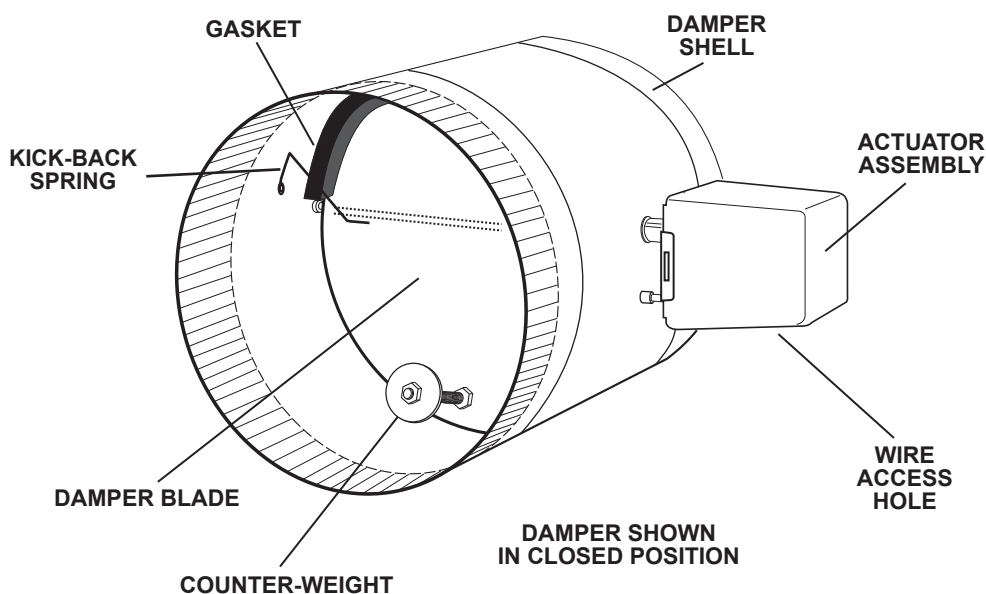


BAROMETRIC ZONE DAMPER with automatic pressure relief

HOW IT WORKS

The BZD damper works like any standard zone damper with one exception - it has a built-in static pressure relief mechanism that eliminates the need for a bypass damper. Unlike a standard zone damper, the BZD has been designed with a damper blade that is controlled by an actuator or high static pressure. When all zones are calling, all BZD dampers will be open. As zones begin to satisfy, their dampers will close and as the system static pressure begins to rise, the pressure relief mechanism will allow the dampers to modulate open if the static pressure reaches approximately 0.4" WC. This allows a small amount of air to bleed into the non-calling zone(s). This eliminates air noise and assures proper airflow across the coil. Typical HVAC system discharge air static pressure is 0.10 - 0.15 WC. All BZD dampers have been factory calibrated at 0.4 WC.

Tests indicate that bleeding a small amount of conditioned air for a short period of time into non-calling zones has little impact on the zone temperature. In most cases the non-calling zones are above or below setpoint and can absorb the additional conditioned air without causing any temperature deviation.



CONSTRUCTION

HIGH TORQUE ACTUATOR
STEEL SHELL
ALUMINUM SHAFT

NYLON BUSHINGS
BLADE SEALS
SIZES:
ROUND FROM 6" TO 18"
RECTANGULAR FROM 8" X 8" TO 24" X 14"
(UNIVERSAL SIDE OR BOTTOM MOUNT)

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