

Robertshaw®

BP Series

BYPASS ZONE DAMPERS



Product Description

Robertshaw bypass non-electric zone dampers are Simply the Right Choice™ to maintain proper airflow and static pressure throughout the HVAC system. A bypass system should incorporate bypass dampers and a static pressure control device. We offer non-electric barometric pressure dampers that are self-regulating and field adjustable. They maintain proper static pressure in the system without requiring sensors or wiring. Robertshaw bypass dampers are compatible with forced air and constant volume zone systems requiring bypass air to maintain proper static pressure.

Our bypass dampers can be mounted vertically or horizontally due to unique static pressure with the weight on either side for installation and adjustment convenience. They are available in two sizes and can be used with HVAC equipment with capacities of up to five tons of cooling. All shells are constructed of rolled galvanized steel with stiffening ribs to maintain rigidity. A single steel offset blade is attached to a one-piece steel shaft connected with nylon bearings for smooth operation.

Features and Benefits

- Lightweight for easy installation.
- Stiffening ribs maintain rigidity.
- Nylon bushings eliminate blade slippage and provide smooth operation.
- Positive sealed blade close-off.
- No wiring is required.
- Reversible design allows for right- or left-handed flow.
- Vertical or horizontal mounting.

When Zoning Should Be Used

Robertshaw Zone Control Systems are compatible with forced air heating and cooling systems, and they are ideal for homes and building that exceed 2,500 square feet. Zoning systems help overcome many of the heating and cooling problems associated with spacious living and working area, as well as contemporary architectural features. You should consider zoning if your project is a multiple-level home or building, a rambling structure like ranch-style housing or schools, and has:

- Large glass windows susceptible to sunlight that varies internal temperatures at different times of the day.
- Wings or additions extending from the main area.
- Vaulted ceilings, skylights, atriums or solariums.
- Finished attic, basement or room over the garage.
- Concrete slab flooring.



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Robertshaw® Zone Control Systems

Robertshaw Panels

Classic panel: up to 3 zones

Deluxe panel: up to 7 zones

Premier panel: up to 19 zones

Robertshaw Dampers

Rectangular motorized zone dampers

Round motorized zone dampers

Bypass non-electric zone dampers

Robertshaw Thermostats

Programmable thermostats

Digital non-programmable thermostats

Mechanical thermostats

Specifications

Item	BP Bypass Damper
Ambient ratings	0°F to 120°F (-17°C to 49°C)
Dimensions	Round: 10", 12", 14", 16" (25.4cm, 30.5cm, 35.6cm, 40.6cm) Length: Diameter +3/4" wide 26-gauge galvanized steel
Weight	4.9 lb. to 6.0 lb. (2.2 kg to 2.7 kg)
Shell	26-gauge galvanized steel
Blade	18-gauge galvanized steel
Axle	3/8" diameter steel shaft
Bearings	Nylon

Ordering Information

Order number	Ex. BP-10
Type	BP (Bypass Damper)
Size	10 (10", 12", 14", 16")

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