



3 - Zone Plenum With Zone Dampers and Bypass Damper Built In.

- Works with most zoning systems
- 21" x 21" sheet metal plenum
- 2" duct liner, glued then pin-spotted
- 5' long
- 4ea. - dampers with power open/ power close motors
- Adjust motors to any maximum and/or minimum position
- Damper motors include red and green LED's to indicate opening, closing, full open or full close
- Order SPC (Static Pressure Controller) to operate modulating bypass damper
- Includes extra damper for modulating bypass
- Cutting Guide allows from 6" through 16" round holes for duct take-offs
- Cutting Guide allows up to 16" x 16" rectangular duct take-offs
- All damper blades are gear-driven using opposed-blade action for even airflow
- 1/2" gasket material adds extra insulation to the damper gear box

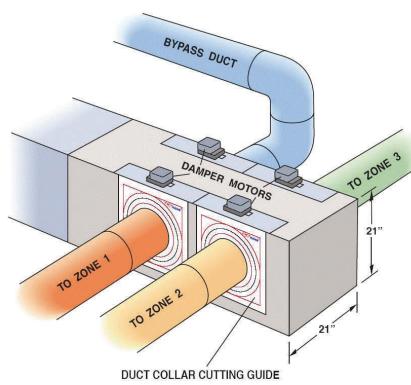


CPH21-4

See Back For Motor Specifications And ComfortPLENUM™ Dimensions



Dampers furnish positive shut-off with less than 5% bleed at .5" external static pressure.



Cut holes for duct take-offs, mount starting collars and start running duct. No need to hang or mastic dampers.



Customize plenum opening to transition to coil or air handler. Seal and insulate per local code requirements.

Motor Specifications

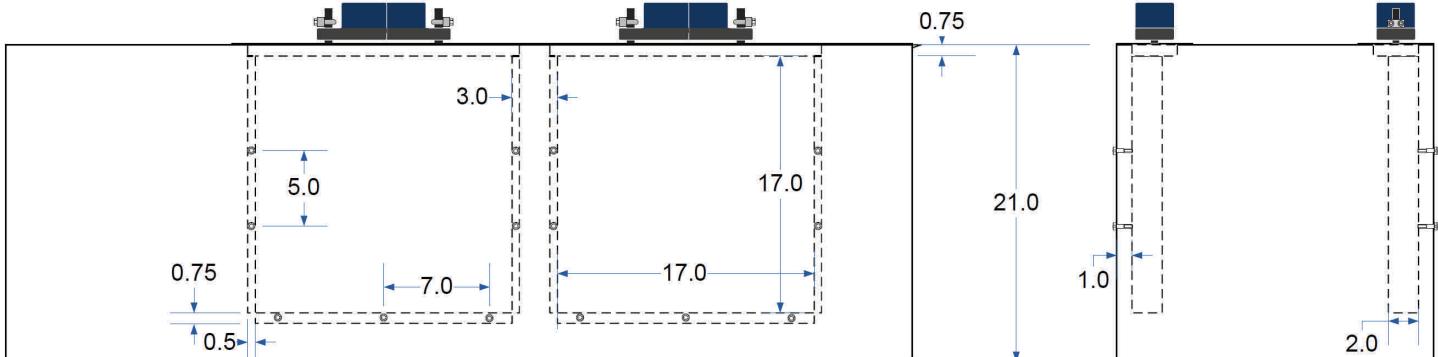
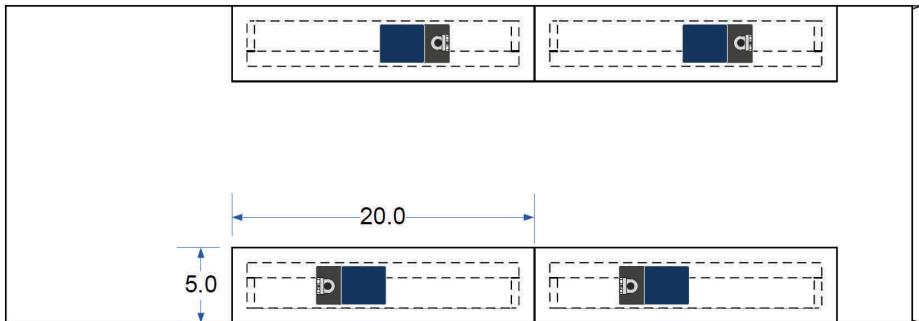
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|---------------------------|---|
| Power | 24VAC, 2.5 VA typical (4 VA max) |
| Actuator | <p>Model # POCT Electronic Time-Out at End of Travel 18 in-lb Torque Power-Close / Power-Open 30 Second Motor Max 90 Degree Travel</p> |
| Position Indicator | Configured on Shaft |
| Wiring | <p>3 Screw Terminals PO, PC, Common Use 18 Gauge Solid Core 3-Wire</p> |

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Verifiable Comfort and Energy Savings

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Damper and Plenum Dimensions



Installation

ComfortPLENUM™ may be mounted in any configuration. The open end of the plenum purposely has excess metal to allow field manipulation and minor transitioning to different equipment openings. Once sheet metal attachment is complete, sealing and insulating at all connection points shall be required per local and national mechanical code.

The Cutting Guide is furnished to give the installer the location of the damper on the inside as he cuts the opening for the starting collars (take-offs) on the outside of the plenum. The damper blades should be in the closed position. Failure to close damper blades can cause damage to the blades when cutting take-off holes.

Mounting the starting collars in round or rectangular holes in **ComfortPLENUM™** is the same as installing starting collars in a plenum without dampers. Fold the tabs on the inside of the plenum against the duct liner so as to clamp the duct liner between the tab and the inside of the sheet metal plenum. Spin-in starting collars are also installed as normal.

Each motor requires three wires; power open, power close and common. The damper motor's electrical connections are screwless terminals that do not require a screw driver. Each damper motor has a green light that blinks green when opening and stays solid green when completely open. Each damper motor also has a red light that blinks red when closing and stays solid red when completely closed.

Each motor has adjustable minimum and maximum positions to act in place of a balancing damper when necessary.