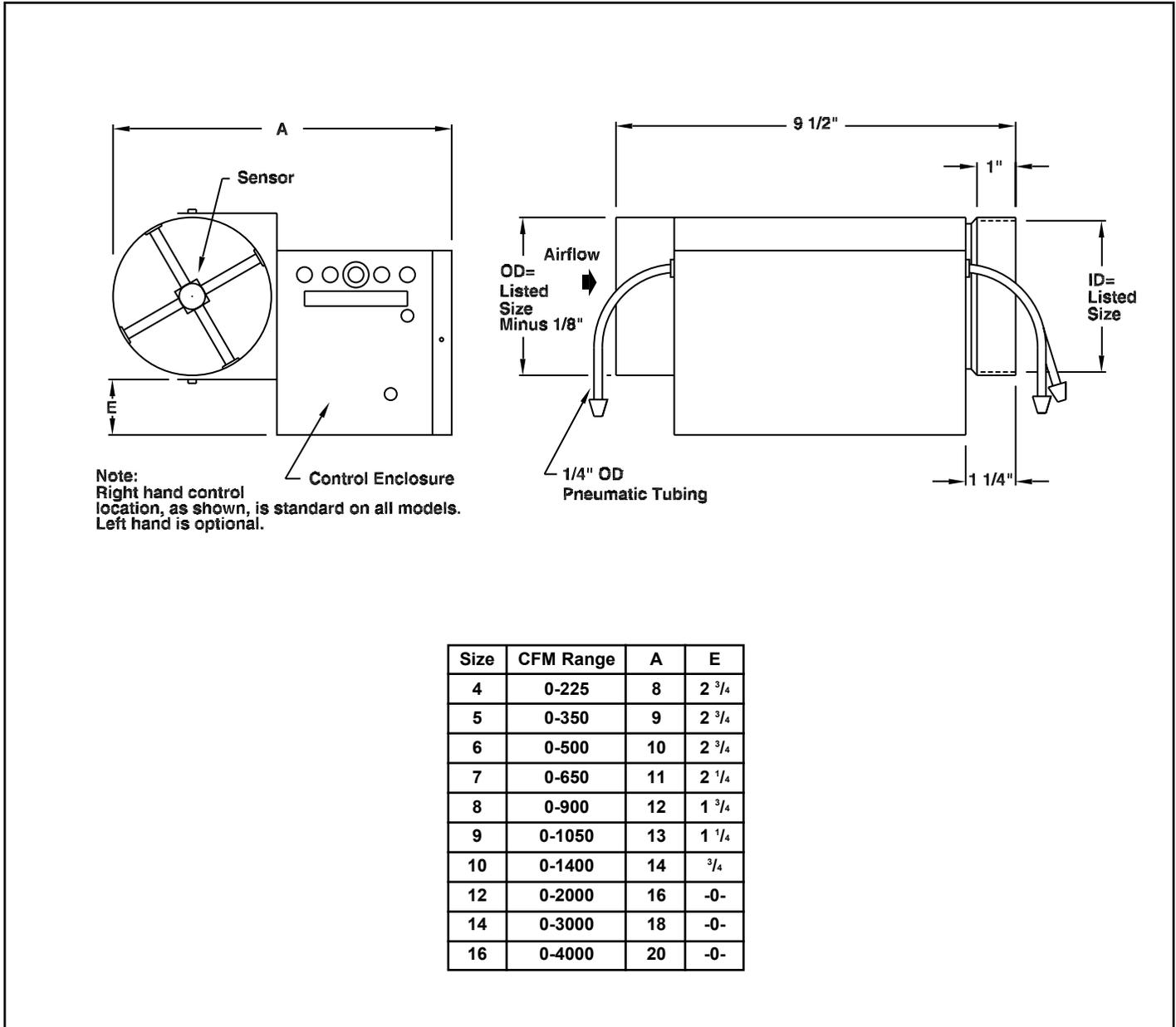


Pneumatic Control Terminal Units

• Retrofit Model: PECX • Pressure Independent

For Use with Separate Damper and Actuator



General Description

- Heavy gauge steel housing, mechanically sealed and gasketed, leak resistant construction. Less than 2% of nominal cfm at 1.5" sp W.G.
- Inlet connection fits inside standard round duct. Casing is 22 gauge galvanized steel, uninsulated.
- Multi-point inlet velocity sensor with center averaging.
- For optimum control, the inlet duct must be the same as the assembly inlet.
- No damper or actuator included with the PECX.
- Units equipped with the standard TITUS II velocity controller can be either direct acting or reverse acting. Controller maintains constant span and start point — but are adjustable.
- Gauge tees are provided for cfm measurement and balancing.

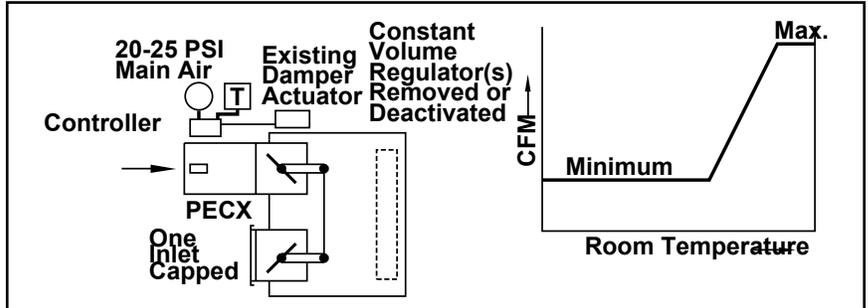
(Please see reverse side)

Model: PECX Applications

Existing Pneumatic Dual Duct Unit: Converting to Single Duct VAV

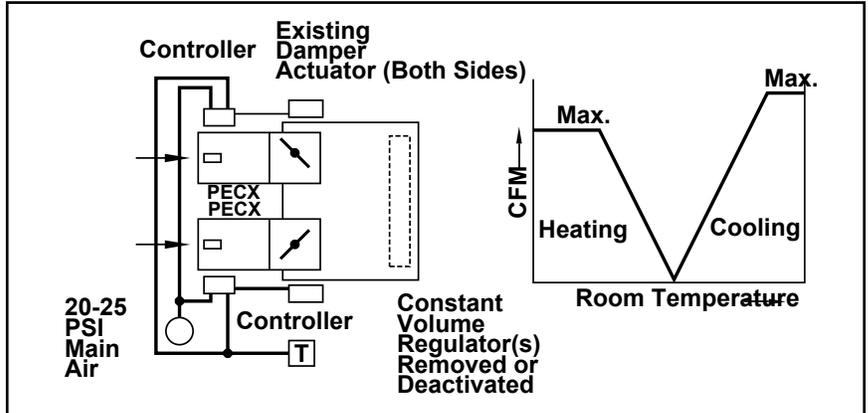
One inlet is capped off. Constant volume regulators are removed. TITUS PECX is installed on cooling inlet of existing unit. Existing thermostat and damper actuator now connected to controller on PECX.

Unit now provides pressure independent variable air volume, cooling (or heating) only, regardless of whether existing thermostat is direct acting or reverse acting, or whether damper is normally open or normally closed.



Existing Pneumatic Dual Duct Unit: Converting to Dual Duct VAV; Two Existing Damper Actuators

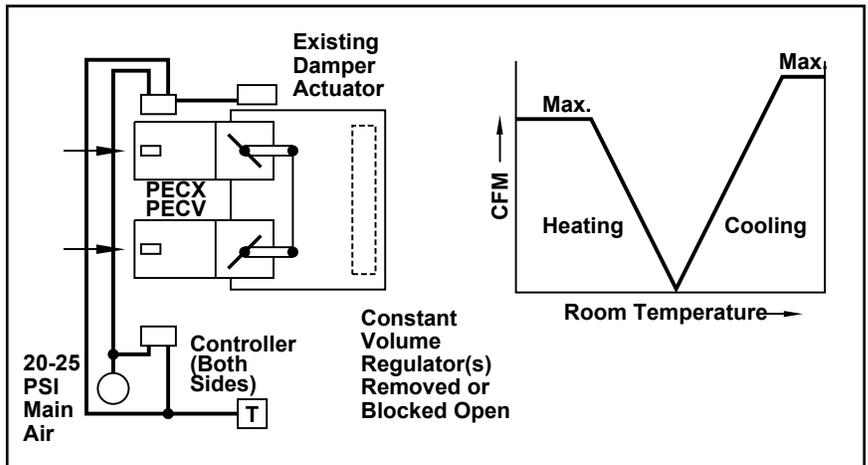
For pressure independent control of both heating and cooling, constant volume regulators are deactivated or removed. PECXs are installed on both heating and cooling inlets. Existing room thermostat is connected to TITUS controllers on both PECXs, which in turn control both existing damper actuators.



Converting to Dual Duct VAV: Single Existing Damper Actuator with Interlinked Dampers

Constant volume regulators are deactivated or removed. PECX is installed on heating inlet, PECV on cooling. Existing thermostat is connected to both PECX and PECV.

PECX controls existing damper actuator. PECV has its own damper and is set either normally open or normally closed to match action of existing cooling damper. Controllers are set either direct acting or reverse acting to match existing thermostat. VAV control is pressure independent for both heating and cooling. A mixing minimum air flow can be obtained with a start point adjustment using the TITUS II Controller with any of the Dual Duct Retrofit diagrams shown.



Note: This submittal is meant to demonstrate general dimensions of this product. The drawing on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.

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