

## APPLICATION

- Dual duct systems utilizing energy conserving fan controls with variable air volume (VAV) temperature control loops
- Hot and cold air flow rates are delivered to meet space loads, while maintaining desired total air flow rates to the space
- Pressure independent operation for precise air volume control of both hot and cold air flow
- Configurable for both mixing and non-mixing applications with variable or constant total flow to the space
- Maintain space temperature while maintaining air change rates or space pressurization, or meeting minimum ventilation rates.
- Control strategies using pneumatic, analog, or direct digital control (DDC) systems to satisfy any application

## FEATURES

- Integral attenuator on Models DU1, DU1R, & DU-2
- Compact Assembly with Models DU-3 & DU-4 (non-mixing applications)
- Flow sensor arrangements available in the inlets of the air terminal, and a flow totalizing sensor at the discharge, based on control strategy.
- Control sequence may be inlet sensing only (I sequences) or combination inlet total (I-T) sensing (one inlet sensor/one total sensor). Available with a variety of control sequences for mixing and non-mixing application.
- Hot & cold round inlet sizes from 5" to 16" diameter – can be different sizes on the air terminal
- Right or left hand hot inlet location
- Flanged or Slip & Drive Discharge Duct Connections
- 22 gauge steel, leak resistant casing lined with 1/2" thermal/acoustical insulation (NFPA 90A & UL181)
- Balancing taps / calibration chart included for field adjustment.

## OPTIONS

- Steel control enclosure
- Bottom access door (Patch plate, Double cam-lock, Hinged)
- Model DU1R includes factory mounted 1, 2, or 4 row hot water coil
- Electric duct heater (installed downstream of the terminal discharge)
- 1" thick glass fiber insulation, 1/2" or 1" foil-faced insulation (taped edges), 3/8" closed cell "fiber-less" insulation, Fiber-Lok system using 1" high density foil-faced lining with steel encapsulated cut edges (approved by the stringent California Office of Safety, Health, and Planning Department (OSHPD), see page A-11.

