

SINGLE DUCT EXHAUST TERMINAL UNIT

RRV



BASIC FEATURES

The RRV, single duct exhaust terminal unit, is designed for critical exhaust applications in constant and variable volume systems where air flow control accuracy is important for health or safety reasons. An orifice sensor is utilized to minimize particulate collection often associated with other sensors used in contaminant exhaust air applications. The optional stainless steel construction accommodates highly corrosive environments.

OPERATING PRINCIPLE

The RRV is Tuttle & Bailey's innovative answer for use in critical exhaust systems. The unit operates with advanced orifice sensor technology that allows the orifice to provide accurate differential pressure over a wider duct velocity range. This allows accurate flow control ensuring the maintenance of airflow settings where required by flow or pressure differential needs.

SOUND

The goal in designing VAV systems is to operate air terminals at low pressures and air flows, while still satisfying the design conditions. The RRV is designed for quite performance at typical operating conditions.

FEATURES

- Round terminal unit with standard round inlet and discharge collars sized to accept either flexible or rigid duct
- Orifice sensor which features 2 upstream pressure taps and 2 downstream pressure taps which minimizes particulate collection often associated with other sensors used in contaminant exhaust applications
- Heavy duty 316 stainless steel or 20 gauge galvanized steel construction
- Round damper blade constructed of heavy duty 20 gauge galvanized steel
- Damper is two flat metal blades with a gasket sandwiched in between for low leakage (Stainless steel does not utilize a gasket)
- Continuous 316 stainless damper shaft with self-lubricating bearings. Shaft features a position indicator for easy identification of damper angle
- Continuous seam weld

OPTIONS

- Available without controls, with electronic analog controls, with factory-mounted direct digital controls (supplied by others) or with four function pneumatic controls
- Inlet/Discharge Options
 - Slip/Slip
 - Flange/Flange
 - Bellmouth/Slip: The inlet is Bellmouth connection which is a round inlet that flanges out with a smooth transition to be attached to another object such as an exhaust hood and the discharge is a slip connection in which the round ductwork will slip over the outlet (Available for stainless steel construction only)
 - Bellmouth/Flange: The inlet is a Bellmouth connection and the discharge is a flanged connection which is a round flange welded to the discharge as to allow a connection to a round flanged duct (Available for stainless steel construction only)
- Controls Disconnect Switch
- Dust Tight Sealing for Control Enclosure

