

XEZT

Furnish and install Anemostat (XEZTS) (XEZTA with integral sound attenuator) exhaust air terminals as shown on the plans. The assembly shall consist of an insulated casing, damper, and airflow sensor with bellmouth construction.

Casing:

The unit casing shall be fabricated from zinc-coated steel and use mechanical locking seams to form a leak resistant assembly. The terminal inlet connection shall be Slip & Drive type integral to the casing. The casing shall be (22 gauge) (20 gauge) thickness. The unit casing shall be internally lined with (1/2") (1") thick matte-faced dual density glass fiber insulation that conforms to NFPA-90A and UL 181.

Air Valve:

The damper assembly shall consist of a round blade that requires nominal 90-degree rotation from fully opened to fully closed positions on sizes 05 through 16. The damper blade shall be mechanically attached to the die-cast metal damper shaft with through the shaft machine-applied rivets. The low leakage damper shall be constructed of a gasket material sandwiched between two 22-gauge zinc coated steel plates. Leakage through the damper shall be less than 1% of the maximum rated airflow at 3" w.g. inlet static pressure. The damper gasket material is securely fastened between the two damper plates using machine applied rivets. The damper assembly shall rotate freely in self-lubricating bearings. Damper position shall be indicated on the end of the shaft on the outside of the casing. Outlet connection and damper on size 24 x 16 shall be rectangular.

Airflow Sensor:

A multi-point airflow sensor (Velocity Wing) of the center averaging type shall be located in the terminal inlet. The airflow sensor shall be aerodynamically designed to provide low pressure loss, quiet operation and have not less than 20 sensing points on any given size unit. The sensor shall amplify the velocity pressure signal and provide feedback of actual flow to the controller. An identification label with piping/wiring diagram and airflow calibration chart shall be affixed to each unit. Flow taps with caps, separate from the airflow sensor or controller taps shall be provided for flow readjustment.

Control System

The controls shall be pneumatic, analog electronic, or direct digital controls (DDC) based on Anemostat Control Package

The following accessories shall be provided, as scheduled:

- Unit mounting brackets
- Standard control enclosure
- Universal (larger) control enclosure
- Hinged front cover for control enclosure