



## Herricane (Central Steam) Job Information Worksheet

Please refer to the following list for descriptions of the items required for quotation.

- 1. Airflow Orientation:** Is the duct section vertical or horizontal and is the airflow moving left/right or up/down?
- 2. Nozzle Orientation (Left or Right):** To determine the nozzle orientation for a Herricane manifold, visualize standing in the duct with the airflow hitting you in the face. The side of the duct (left or right) where the piping connections are located is Nozzle Orientation.
- 3. Non-wetting Distance:** As steam exits the Herricane manifold, the non-wetting distance is the closest distance to the manifold where items contained in the duct will not experience condensation. For example, a manifold designed for a 24 inch non-wetting distance shall not have straightening vanes place any closer than 24 inches from the steam discharge point.
- 4. Vapor Trail Distance:** The maximum length of visible steam vapor after which it is safe to install high efficiency filters. This will ensure that the filters do not collect water and become damaged.
- 5. Volume of Air:** Total air volume measured/indicated in CFM (cubic feet per minute).
- 6. Maximum % of outside air:** The amount of outside air that was used or shall be used to determine/verify the system humidification capacity.
- 7. Capacity:** The total capacity of the Herricane manifold or Herrtronic steam generator indicated in Pounds per hour of steam.
- 8. Control Scheme:** The manner in which the unit will operate as it discharges steam into the airstream. On/Off control will simply turn on or off depending on a call for humidity from a humidistat. Proportional control
- 9. Safety Devices:** These devices include, but are not limited to, air proving swich, high humidity limit, etc...
- 10. High Humidity Limit:** An On/Off high humidity limit will turn off the humidification system if the humidity downstream of the steam injection point rises above the high humidity limit setpoint. A proportional high humidity limit will reduce the maximum capacity of the Herrtronic steam generator as the humidity downstream of the steam injection point approaches the high humidity setpoint. This will ensure that the duct air does not become saturated with water.
- 11. Actuator Type:** Electric actuators are available to operate at 24VAC or 120VAC. Pnumatic actauators are available upon request.



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## Herricane Series: Application Details Required For Quotation

Job Name and City: \_\_\_\_\_

Tag/Unit number: \_\_\_\_\_

Duct/Air Handler size, W" x H": \_\_\_\_\_

Airflow Orientation, vertical or horizontal: \_\_\_\_\_

Mounting of header: \_\_\_\_\_  
(Inside or outside of duct work)

Nozzle orientation, left or right hand: \_\_\_\_\_  
(This must be provided before manufacture)

Non-wetting Distance: \_\_\_\_\_

Vapor Trail Distance: \_\_\_\_\_

Conditions BEFORE humidifier: \_\_\_\_\_  
(Temp and % RH)

Conditions AFTER humidifier: \_\_\_\_\_  
(Temp and % RH)

Volume of air (CFM): \_\_\_\_\_

Variable Air Volume (VAV): Yes/No? \_\_\_\_\_

Maximum % of outside air: \_\_\_\_\_

Condensate Pump Required? Yes/No? \_\_\_\_\_

## Steam Source: Herrtronic Steam Generator or Pressurized Steam (complete one)

### Herrtronic Steam Generator

### Pressurized Steam (5-15 PSI)\*

Voltage/Phase: \_\_\_\_\_

Supply Steam Pressure: \_\_\_\_\_

Capacity: \_\_\_\_\_

Capacity: \_\_\_\_\_

Control Scheme: \_\_\_\_\_  
(On/Off, Prop., Proportional+Integral)

Actuator Type: \_\_\_\_\_  
(Electric/Pneumatic)

Safety Devices:  
Airflow proving switch: Yes/No? \_\_\_\_\_

Control Scheme: \_\_\_\_\_  
(On/Off or Modulation)

High Humidity Limit: \_\_\_\_\_  
(On/Off, Proportional or None)

\*NOTE: If supply steam pressure is >15 psi, a PRV shall be used to reduce the pressure to 15 psi.

## Additional Information:

Send Via Email

Clear Form

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