## **PURE Humidifier Co.**

**Sample Specification**

**“Steam Injection” Series**

# Single Tube Humidifiers

The humidifier shall be capable of removing condensate from the steam by means of a 304L stainless steel condensate/steam separator, for the purpose of providing condensate-free steam.

Steam shall be injected into the air system through a round 304L stainless steel steam jacketed injection tube. The tube shall be steam jacketed at supply pressure to assure condensate-free vapor. The steam emission ports shall be precision punched and shall be of sufficient size and number to provide constant and uniform distribution of the steam over the entire width of the duct without the use of inserts.

A normally closed control valve shall have modified linear flow characteristics, shall close off against the steam and shall be of sufficient capacity as required. The valve operator, pneumatic modulating (standard) or electric modulating (optional) shall be supplied by PURE Humidifier Co.

The humidifier shall be supplied with a float and thermostatic condensate trap, pipeline strainer and duct plate (to seal completely at duct opening).

The humidifier shall be a PURE Humidifier Co. humidifier as manufactured by PURE Humidifier Co, Chaska, Minnesota.

# Multiple Tube Humidifiers

The humidifier shall be capable of removing condensate from the steam by means of a 304L stainless steel condensate/steam separator, for the purpose of providing condensate-free steam.

Steam shall be injected into the air system through a round 304L stainless steel steam jacketed injection tube. The tube shall be steam jacketed at supply pressure to assure condensate-free vapor. The steam emission ports shall be precision punched and shall be of sufficient size and number to provide constant and uniform distribution of the steam over the entire width of the duct without the use of inserts.

A normally closed control valve shall have modified linear flow characteristics, shall close off against the steam and shall be of sufficient capacity as required. The valve operator, pneumatic modulating (standard) or electric modulating (optional) shall be supplied by PURE Humidifier Co.

The humidifier shall be supplied with two float and thermostatic condensate traps, pipeline strainer and duct plates (to seal completely at duct opening).

The humidifier shall be a PURE Humidifier Co. humidifier as manufactured by PURE Humidifier Co., Chaska, Minnesota.

# Mini-Mult Humidifiers

The humidifier shall be capable of removing condensate from the steam by means of a 304L stainless steel condensate/steam separator, for the purpose of providing condensate-free steam.

Steam shall be injected into the air system through a round 304L stainless steel steam jacketed injection tube. The tube shall be steam jacketed at supply pressure to assure condensate-free vapor. The steam emission ports shall be precision punched and shall be of sufficient size and number to provide constant and uniform distribution of the steam over the entire width of the duct without the use of inserts.

The injection tubes shall be completely factory welded to a 304L stainless steel “tube manifold” and the tube assembly shall be piped to the separator assembly; ready for installation and piping connections.

A normally closed control valve shall have modified linear flow characteristics, shall close off against the steam and shall be of sufficient capacity as required. The valve operator, pneumatic modulating (standard) or electric modulating (optional) shall be supplied by PURE Humidifier Co.

The humidifier shall be supplied with two float and thermostatic condensate traps (shipped loose), pipeline strainer (shipped loose) and duct plates (to seal completely at duct opening).

The humidifier shall be a PURE Humidifier Co. humidifier as manufactured by PURE Humidifier Co., Chaska, Minnesota.

# Area Type Humidifiers

The humidifier shall be capable of removing condensate from the steam by means of a 304L stainless steel condensate/steam separator, for the purpose of providing condensate-free steam.

Steam shall be injected into the air system through a round 304L stainless steel steam jacketed injection tube. The tube shall be steam jacketed at supply pressure to assure condensate-free vapor.

A normally closed control valve shall have modified linear flow characteristics, shall close off against the steam and shall be of sufficient capacity as required. The valve operator (pneumatic modulating standard) or electric modulating (optional) shall be supplied by PURE Humidifier Co.

The humidifier shall be supplied with a float and thermostatic condensate trap and pipeline strainer. An electric fan (pneumatic fan optional) shall be provided to add auxiliary air movement to the emitted steam.

An electrical fan shall be provided to add auxiliary air movement to the emitted steam.

The humidifier shall be a PURE Humidifier Co. humidifier as manufactured by PURE Humidifier Co., Chaska, Minnesota.