



AIR CLEANING EQUIPMENT INC
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WWW.INDUSTRIALAIRTREATMENT.COM

CustomMist

Customized Specialty High Pressure
(1000 psi) Humidity Control Systems

Information – Specifications

• CustomMist – Custom High Pressure Humidity Control Applications



Air Handling Unit (AHU) – Induct Application

Nozzle Arrayed – Manifolded – Induct High Pressure Winter Humidity Control System. Customized for an Air Handling Unit (AHU), with down stream mist eliminator. Requires sufficient air movement for full evaporation.



Air Rotation Unit – External Application

Nozzle Arrayed – Manifolded – High Pressure Humidity Control System with nozzles external to ducted Air Rotation Unit. Nozzles operate only when air is moving.



Make-up Air Unit (MAU) – Either Induct or External Application

Nozzle Arrayed – Manifolded externally to ducted MAU. Nozzles operate only when air is moving.

Note: For critical applications, the above installations offer the ability to practically match system output to varying load conditions – controller will select correct stage valve combination – typical turndown ratios are 15:1.

2 Year
Warranty



Tubing

– 300 Series
Stainless Steel
High Pressure
Tubing



– rated up to
3000 psi with
high consistency
robotic
orbital welds.



Fittings

– Double
Ferruled
3000 psi
Rated
Compression
Fittings
(Unions,
tees, elbows,
end caps)



Nozzles

– Precision
Atomizing
High Pressure
Nozzles with
Synthetic Mineral
“Ruby Orifice”

Inserts. Laser Drilled - smooth inner surface for no plugging or fouling. 300 psi inner spring for precision atomization at on/off nozzle operation.

CustomMist System Components: (1) Heavy Duty High Pressure Pump Control Station (2) Custom Control Package with humidity sensor(s)/controls or DDC interfaces as required (3) Stainless or High Pressure Flexible interconnecting tubing and fittings as required (4) Custom designed distribution grid (5) System Maint. / Install Pak