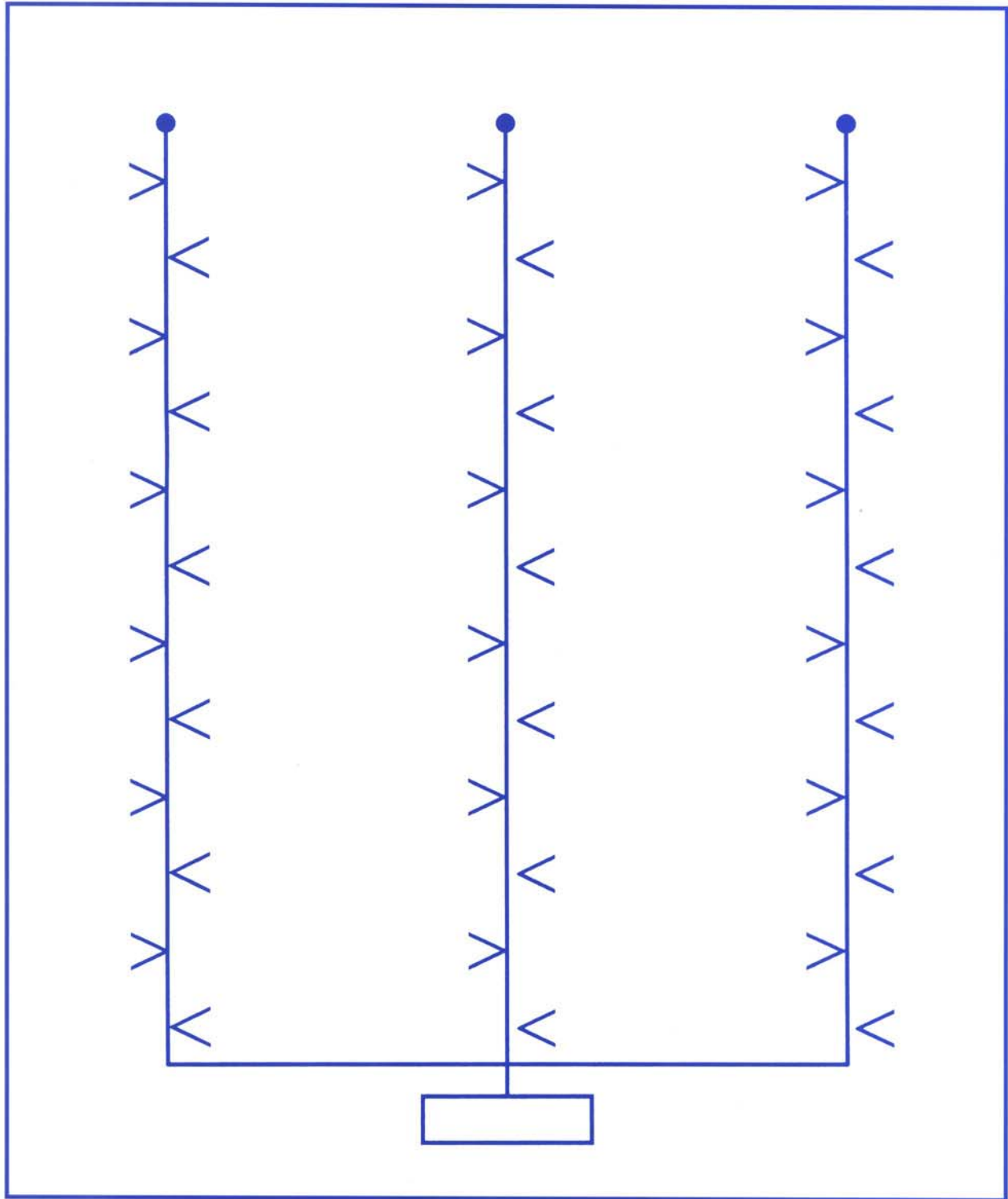
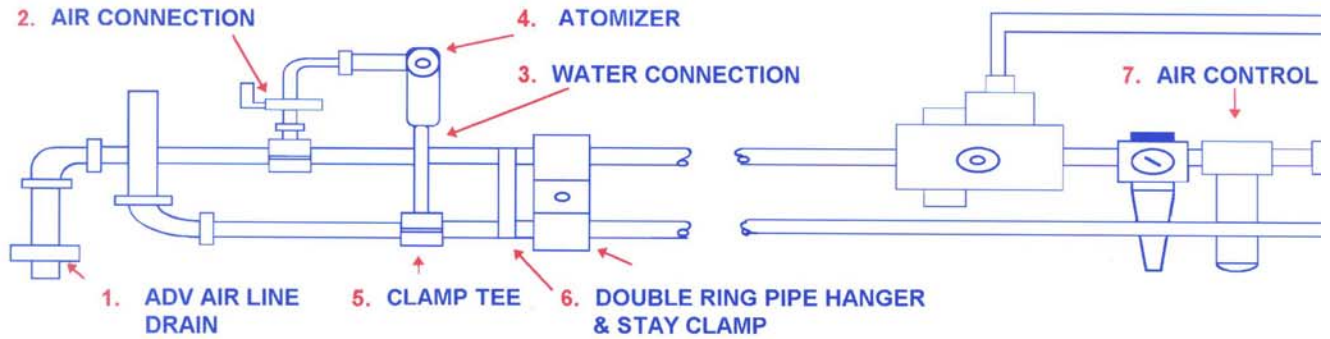


# TOTAL PLANT HUMIDIFICATION



**AMERICAN MOISTENING COMPANY**



**1. AUTOMATIC DRAIN VALVE**

On each cycling of the system, allows any build-up of water or oil in the air line to be automatically vented into a plant's atmosphere or drain.



**2. AIR CONNECTION VALVE**

Rugged, solid brass air connector connects atomizer to clamp tee on air line. Permits atomizer shut-off while system is in operation.



**3. WATER CONNECTION**

8" long x 1/4" plastic tube assembly connects atomizer to the clamp tee on water line.



**4. SILVERMIST ATOMIZER**

Self-cleaning, no clog atomizer is made of rugged brass construction for years of maintenance-free operation. Produces fine mist spray - quickly absorbed in plant's atmosphere.



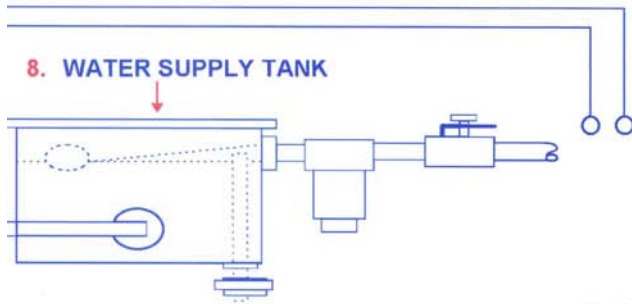
**5. CLAMP TEE**

Heavy-duty zinc-plated steel construction with 1/4" brass connection and neoprene washer. Used to secure air and water connections to galvanized or PVC pipe. (Discard plastic tube.)



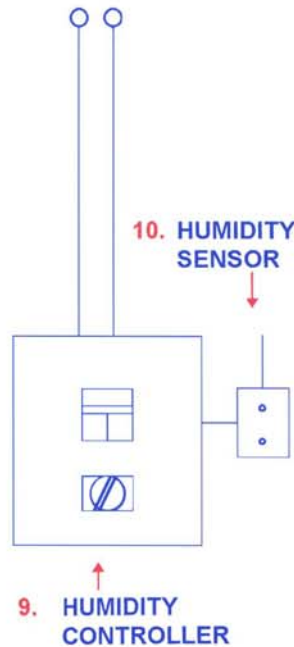
**6. DOUBLE RING PIPE HANGER & STAY CLAMP**

Double ring pipe hanger used to hang system from ceiling, keeping water and air lines in proper distance from each other. Stay clamp adds rigidity and stability to system.



### 7. AIR CONTROL UNIT

Controls air to system. Rugged construction. Quick air relief for fast and accurate response. Solenoid receives electrical signal from control cabinet. Complete with air valve, regulator, filter, gauge, and solenoid valve.



### TOTAL PLANT HUMIDIFICATION:

- Controls plant humidity to within  $\pm 2\%$  Relative Humidity.
- Self-cleaning atomizers eliminate clogging.
- Gravity-fed system prevents leaking or dripping.
- Uses tap water - compressed air.
- Produces "fog-like" mist - easily absorbed in atmosphere.
- Easy to install - plant personnel.
- Economical to operate - low maintenance costs.
- Engineering, service and spare parts available from Pineville, NC.

### OPERATIONS:

The Humidity Control Cabinet, in conjunction with the remote mounted Humidity Sensor, continually monitors plant humidity. The system is automatically activated when the humidity falls below targeted levels. The controller activates the Air Control Unit, allowing 28 P.S.I. of air into the system.

This mixes with gravity-fed "tap" water in the atomizer chamber and produces a very fine mist which is easily absorbed in the plant's atmosphere. When desired humidity levels are reached, the system is automatically shut off.



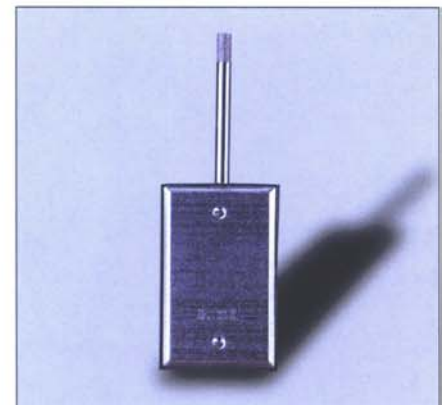
### 8. "AMCO"® FIBERGLASS WATER SUPPLY TANK

Automatically controls water to the proper level.



### 9. HUMIDITY CONTROLLER

Digital controller senses humidity to within  $\pm 2\%$ . Automatically controls Air Control Valve based upon humidity setpoint.



### 10. HUMIDITY SENSOR

Rugged, yet extremely accurate. Humidistat senses humidity in the dirtiest environments.



## ENGINEERING, INSTALLATION, AND SERVICE

Humidification needs are as varied as the manufacturing facilities themselves. All systems are individually engineered and designed by experienced engineers and product managers. A survey of heat loads, square and cubic footage, the manufacturing process, etc., determines the customer's individual humidification needs. The system is designed and manufactured to accurately meet the determined requirements.

Field trained technicians will install the systems and familiarize the customers' personnel with the various aspects and components. Our Installation Supervisors are available to provide assistance for customer-installed systems. Field service technicians and in-house staff continue the after-sale support. Additionally, American Moistening's warranties on parts and labor are automatically initiated. Service contracts are also available to assist the customer in their annual preventive maintenance schedule. These contracts may be purchased at any time.

American Moistening designs and manufactures a variety of products to meet individual needs. In addition to the system mentioned here, high-pressure systems, small area space humidifiers and fully customized in-duct and manifold units are offered.

The American Moistening Company (AMCO) was founded in 1888 and has been serving industries needs continuously since then. From its beginnings in the textile industry it has grown into the industry leader for humidification systems and now serves the textile, woodworking, and printing, as well as other industries, routinely.

AMCO offers an unparalleled range of products each designed and manufactured at our Pineville, NC facility and we will be happy to assist you with any aspect of your project.

For more information Contact us at:



**AMERICAN MOISTENING COMPANY**

10402 RODNEY STREET

P.O. BOX 1066

PINEVILLE, NC 28134

PHONE 704-889-7281

FAX 704-889-7270

www: [www.amco.com](http://www.amco.com)

email: [amco@amco.com](mailto:amco@amco.com)



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