

Humidification Packages



Spraying Systems Co.®
Experts in Spray Technology



Complete humidification packages are easy to install and use —
simply connect to existing air and fluid lines.

Benefits

- Highly-reliable Spraying Systems Co. air atomizing nozzles, valve package, humidistat and controls are all included to simplify installation
- Turnkey system provides efficient humidity control with low installation and operating costs
- Fine-atomized spray evaporates rapidly for efficient humidification
- Safety feature ensures there is no product damage due to dripping or spitting
- For extended wear, reduced maintenance and increased safety, the valve package's electrical components are mounted separately from the liquid line
- Service and support are provided by your local Spraying Systems Co. sales engineer, so questions are answered immediately

Typical Applications



Clean Rooms



Food Processing



Paper Storage

Cotton Storage
Furniture Manufacturing
Printing
Vegetable Growers

Humidification Package Components

JAU Series Automatic Air Atomizing Nozzles

The JAU automatic air atomizing nozzle is a compact precision nozzle that sprays very fine drops at a low pressure. It features an internal air cylinder for controlled "on/off" operation of the liquid portion of the spray up to 180 cycles per minute. The JAU nozzle is available in a wide variety of capacities and spray patterns.

6218-1/4JAU Air Atomizing Nozzle

The model 6218-1/4JAU utilizes a single air line for both spray atomization and for operation of the air cylinder.



Request data sheet 6218 for more information.

1/4JAU Air Atomizing Nozzle

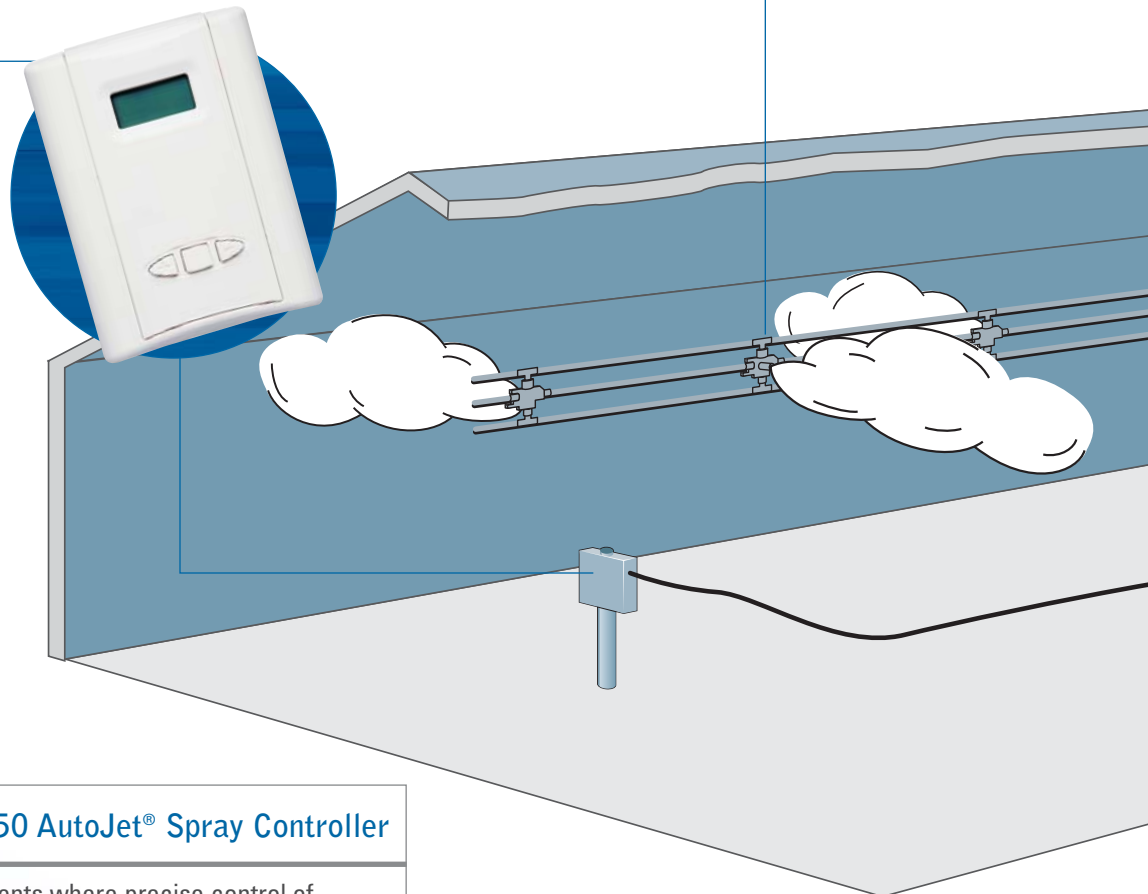
The model 1/4JAU is used with smaller capacity fluid caps.



Request data sheet 4547 for more information.

Humidistat

- Accurately measures 5% to 90% RH
- Can be mounted directly in area to be humidified
- Includes one-foot extension for mounting in adjoining room



Model 2250 AutoJet® Spray Controller

In environments where precise control of humidity is required, the Model 2250 AutoJet Spray Controller provides advanced spray control. It monitors and automatically adjusts all spray variables based on humidity levels, including: spray pattern, flow rate, drop size, liquid pressure, atomizing air pressure and fan air pressure.

1/8JJAU Air Atomizing Nozzle

The model 1/8JJAU spray nozzle is designed specifically for use in small areas.



Request data sheet 14402 for more information.

QuickMist® Series Air Atomizing Nozzles

QuickMist nozzles use up to 50 percent less air than conventional air atomizing nozzles to provide the same degree of atomization.



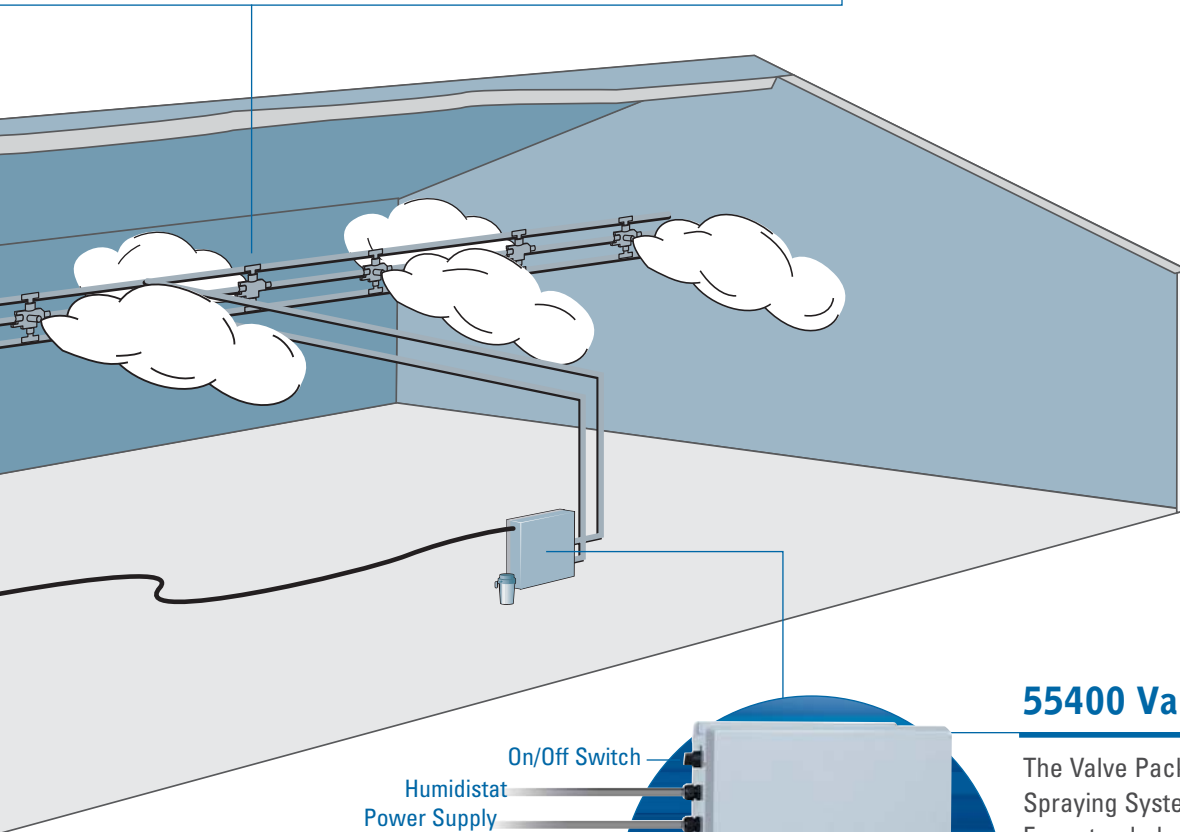
Request data sheet 38860 for more information.

Split-Eyelet Connectors

Split-eyelet connectors provide a fast and economical way of installing nozzles and other fittings in pipe systems. They eliminate cutting, threading and brazing operations.



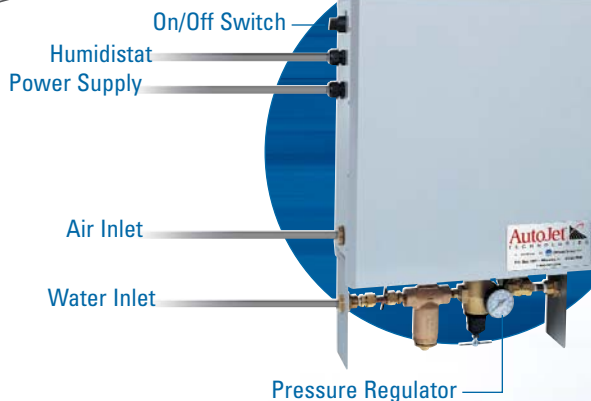
Refer to Catalog 60B, pgs. 476 - 477 for more information.



55400 Valve Package

The Valve Package operates up to 15 Spraying Systems Co. air atomizing nozzles. For extended wear, reduced maintenance and increased safety, electrical components are mounted in the box separately from the liquid line.

Request bulletin 557 for more information.



Humidification Packages Specification Worksheet

Company: _____

Customer name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Sales office: _____

Sales rep: _____

Room Dimensions: _____ Lx _____ Wx _____ H

Volume of area (in cubic ft.): _____

Volume of air to be humidified (in cubic ft./hr): _____

Estimated air changes per hour: _____

Current air temperature: _____ Desired air temperature: _____

Current % of relative humidity: _____ Desired % of relative humidity: _____

Percentage time system is on: _____

System type: Siphon Pressure feed

Spray set-up: _____

Quantity of nozzles required: _____



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Spray
Nozzles



Spray
Control



Spray
Analysis



Spray
Fabrication

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