



# AA250AUH Automatic Spray Nozzle

**Provides accurate spray placement** and spray pattern integrity in high-speed or low-capacity applications

## Benefits

- High-speed capability, up to 5,000 cycles per minute, enables faster line speeds and increased productivity
- Using Pulse Width Modulated (PWM) flow control, flow rate can be controlled very precisely by cycling the AA250AUH spray nozzle on and off very quickly at a controlled frequency. With PWM flow control:
  - Flow rate can be changed almost instantaneously
  - Extremely high flow turndown ratios can be achieved at a single pressure
  - Relatively low flow rates can be generated with larger, clog-resistant spray tips
- Minimizes overspray and saves costly fluid consumption
- Provides better flow control with larger spray tips, which are less prone to clogging
- Wide range of flow rates available from a single tip
- Provides flexibility in the design of high-speed, low-capacity spray applications
- Compact, lightweight design

## System Features

Electrically-actuated hydraulic atomizing valve
Cycle duration from 12 ms (.012 seconds) to continuous spray
Accepts UniJet® tip sizes up to -03 capacity. Request our Industrial Spray Products Catalog for standard UniJet spray tip specifications
Built-in mounting bracket accepts #8-32 UNC or M4 threaded screws
Wetted parts are constructed of stainless steel and Ryton® for maximum chemical resistance; seals are Viton®
CE certified
Maximum cycles per minute: 5,000 with AutoJet® Spray Controller
Power: 24 VDC actuation, .375 AMP
Inlet connection: 1/8" NPT or BSPT Dual ports allow flow through operation or fluid recirculation
Maximum operating pressure: 100 psi (7 bar)
Maximum flow rates: .47 gpm at 100 psi (1.8 l/min at 7 bar)
Maximum fluid operating temperature: 150°F (66°C)
Weight: 5 oz. (.14 kg)

## Typical Applications



Coating



Lubrication



Marking

Moisturizing  
Robotics

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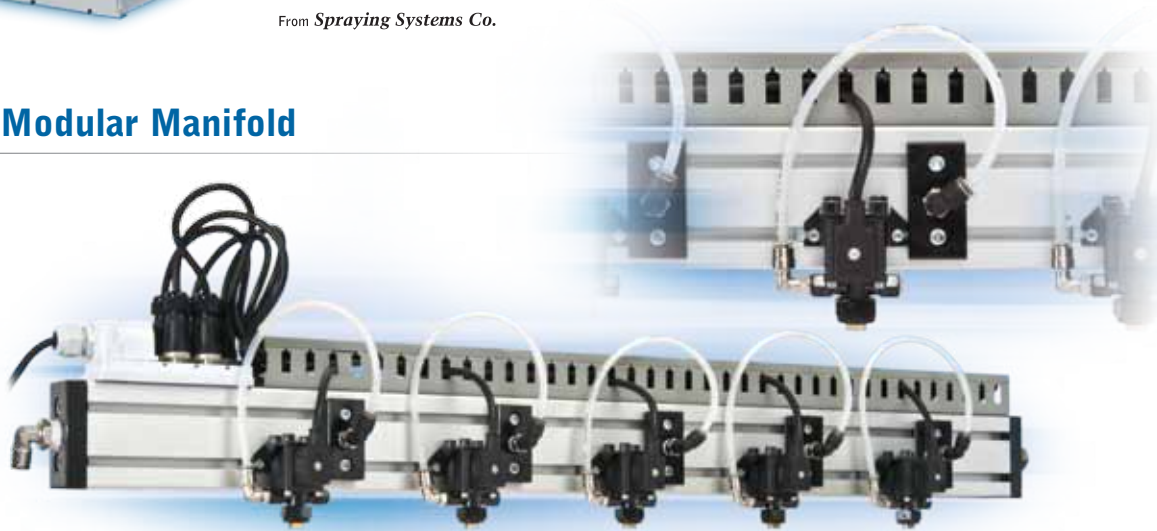


## AA250AUH Spray Nozzles and AutoJet® Spray Controllers

When paired with AutoJet Spray Controllers, the AA250AUH automatic nozzle is capable of fast on/off operation at extremely high speeds – up to 5,000 cycles per minute. These fast cycle times are critical for very precise conveyor belt spraying and also for tight control of the anticipator/follower feature of automatic spray guns.



## 98250 Modular Manifold



- Compact design with rigid aluminum structure also functions as fluid passage
- Can be configured with flexible lengths, number of nozzles and nozzle spacing
- Accepts Spraying Systems Co. AA250AUH or AA10000AUH-03 automatic nozzles
- Standard wetted components constructed of aluminum, rubber, Buna, nickel-plated brass and nylon tubing
- Dual inlet ports can be used for liquid recirculation
- IP64 wiring configuration available for single channel (all nozzles operate at same time) or independent banking of nozzles

### Ordering Information

Nozzle without Cable	Nozzle without Cable	Nozzle with Cable
AA250AUH-VI   Spray Nozzle	AA B 250AUH-VI   BSPT Spray Nozzle	AA250AUH-VI + 98108-5   Spray Nozzle 5 Meter Cable

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**Spraying Systems Co.®**  
 Experts in Spray Technology

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Spray Nozzles



Spray Control



Spray Analysis



Spray Fabrication

