

## AutoJet<sup>®</sup> Model 2250 PulsaJet<sup>®</sup> Panel

The AutoJet Model 2250 PulsaJet Panel is designed to provide precision spray in food applications such as topical antimicrobials coatings and oil/water based solutions for processed meats. The system can drive up to 16 electrically-actuated PulsaJet automatic spray nozzles.

Equipped with a SprayCheck<sup>™</sup> Monitoring System, the AutoJet PulsaJet Panel verifies operation of your spray system.

### Here's how the SprayCheck Monitoring System works:

- A miniature optical sensor is mounted on the PulsaJet<sup>®</sup> automatic spray nozzle to optically detect a spray pattern emerging from the spray tip.
- Spray actuation signals sent by the Model 2250 AutoJet Spray Controller are confirmed with "spray present" signals from the SprayCheck sensor to verify spray application
- If no spray is detected, the sensor will send a signal to the AutoJet Spray Controller to notify the operator.
- Each spray cycle can be documented and logged by the controller with the addition of data collection software on a PC.

### System Features

- Model 2250 AutoJet Spray Controller drives Spraying Systems Co. PulsaJet<sup>®</sup> Automatic Spray Nozzles to maximum speed of 10,000 cycles per minute
- Offers Pulse Width Modulation (PWM) flow control
- SprayCheck<sup>™</sup> spray detection and verification package available
- Stainless steel NEMA 4 enclosure with sloped panel design (NEMA 4X optional)
- Optional two-channel operation for independent control of multiple nozzles or headers
- Air piloted liquid regulators



### The Benefits of Pulse Width Modulated (PWM) Flow Control

By cycling the spray nozzle quickly at a controlled frequency while adjusting the duty cycle, very precise flow rates are maintained. For a duty cycle of 50%, the nozzle is spraying half the time and the flow will be theoretically 50% of the maximum flow rate at a given pressure for the nozzle.

#### Using PWM Flow Control:

- Relatively low flow rates can be generated with larger, clog-resistant spray tips
- Overspray is minimized
- Chemical consumption can be reduced
- Extremely high flow turndown ratios can be achieved at a single pressure

# System Specifications

## Standard Features

### NEMA 4 Rating

### Panel Dimensions

- Height: 27.5"
- Width: 20"
- Depth: 9.25"
- Weight: 30 lbs approx.

### Liquid Flow Rate

- 5 GPM maximum per channel

### Liquid Regulators

- Air piloted regulators

### Required Air Flow Rate

- 10 SCFM
- 100 PSI maximum

### Air Filter

- Coalescing, 40 micron filter element

### Power Supply

- 110-115VAC/60hz
- GFCI plug

### Sensor Requirements

- NPN Sinking
- 19-30 VDC power

## System Options

### Pressure Tank Assembly

- Stainless steel pressure tanks
- 5-, 10-, and 16-gallon sizes standard
- 10-, 25-, and 37-gallon sanitary, food grade tanks available
- Stainless steel quick connects
- Stainless steel liquid level switch option

### Spray Cart

- Stainless steel
- 4 wheel stable design
- Locking casters

### SprayCheck™ Monitoring System

- Optical Sensor for spray detection
- Adjustable sensor positioning
- Spray/No-Spray signal sent to AutoJet Spray Controller
- AutoJet Spray Controller can verify inputs and trigger alarm or secondary action

Model No.	Current Amps	Maximum Number of PulsaJet Nozzles
AA10000AUH-01	0.36 A	16
AA10000AUH-03	0.36 A	16
AA10000AUH-30	2 A	3
AA10000AUH-100	4 A	1