



Spraying Systems Co.®
Experts in Spray Technology

PULSAJET® AUTOMATIC SPRAY NOZZLE

**SUPERIOR ACCURACY AND SPRAY
UNIFORMITY IN HIGH-SPEED OR
LOW-CAPACITY APPLICATIONS IN
ZONE 1 HAZARDOUS LOCATIONS**



BENEFITS

- **High-speed capability**, up to 10,000 cycles per minute, enables faster line speeds and increased productivity
- **Ability to safely spray alcohol** (ethanol) and solvent-based fluids in zone 1 rated hazardous areas
- **Minimizes overspray** and saves costly fluid consumption
- **Wide range of flow rates** available from a single tip
- Provides **design flexibility** of high-speed, low-capacity spray applications
- Certified by **FM Approvals**
- **Precision Spray Control (PSC)** can be achieved when Pulsajet nozzles are used with an AutoJet® spray controller. Flow rate is controlled very precisely by cycling nozzles on and off very quickly at a controlled frequency to provide:
 - Unmatched spray placement accuracy with minimal overspray
 - Consistent, uniform application of fluids
 - Reduced fluid consumption and scrap due to over- and under-application problems
 - Almost instantaneous change of flow rate
 - Low flow rates – comparable to the flow rates of air atomizing nozzles – can be generated with larger, clog-resistant spray tips and eliminate the need for compressed air in some applications

IDEAL FOR

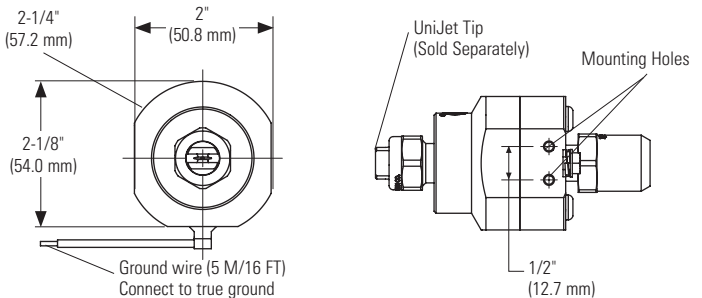
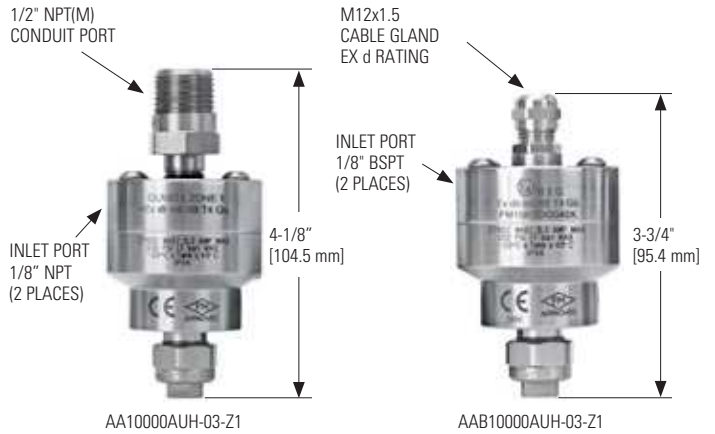
- Coating
- Marking
- Lubricating
- Dispensing



For more information about PSC visit spray.com/psc

SPECIFICATIONS

Electrically-actuated hydraulic atomizing valve
Cycle duration from 6 ms (.006 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, PEEK and PPS for maximum chemical resistance; seals are FFKM (perfluoroelastomer)
Complies with appropriate EC (ATEX and CE) and U.S. Zone safety directives for flameproof enclosure and encapsulation
Maximum cycles per minute: 10,000 with AutoJet® Spray Controller
Power: 27 VDC max. actuation, 0.3 AMP fuse
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)
Ambient temperature range: -4°F to 104°F (-20°C to 40°C)
Weight: 30 oz. (.85 kg)



ORDER NUMBERS AND RATINGS

(NPT) AA10000AUH-03-Z1	(BSPT) AAB10000AUH-03-Z1
Class I, Zone 1 AEx db mb IIB T4 Gb	Ex II 2 G Ex db mb IIB T4 Gb FM10ATEX0040X



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