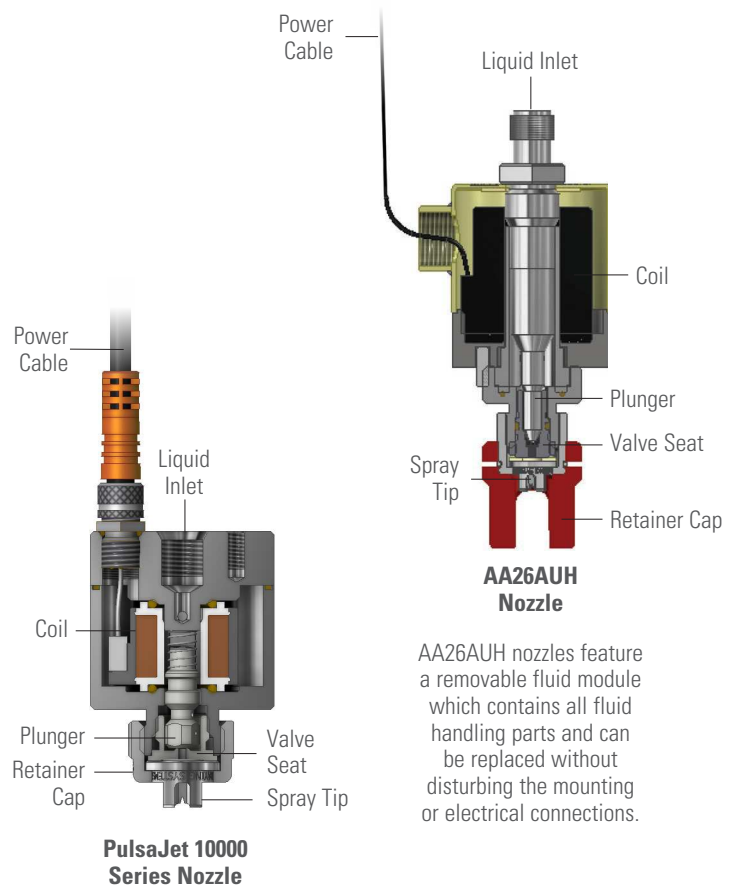


OVERVIEW: ELECTRICALLY-ACTUATED HYDRAULIC NOZZLES

- Hydraulic atomizing nozzles use only liquid pressure as the force for atomization
- Electrically-actuated nozzles provide the fastest cycling of any automatic nozzles – up to 25,000 cycles per minute
- When using a PalsaJet® series nozzle and an AutoJet® spray controller, Precision Spray Control (PSC) can provide:
 - Consistent application rates at varying line speeds
 - Low flow rates comparable to air atomizing nozzles eliminating the use of compressed air in some operations
- Options for the PalsaJet 10000 series nozzles include food-grade materials of construction, sanitary connections, liquid recirculation and temperature control for spraying viscous liquids
- Dozens of UniJet® spray tips are available for PalsaJet nozzles in a wide variety of flow rates. Auto-alignment of spray tips is offered on some models
- Other electrically-actuated hydraulic nozzles include versions with a removable fluid module for easy maintenance and compact versions with stainless steel and Ryton® construction for maximum chemical resistance



The compact design and simple mounting options for PalsaJet nozzles enable them to be easily integrated into most production areas. Wear parts for all PalsaJet nozzles are easily accessible to minimize routine maintenance time.

PLACING YOUR ORDER

Call 1.630.665.5000 for application assistance or to place an order.

FOR DETAILED SPRAY TIP PERFORMANCE DATA
SEE SECTION D

QUICK REFERENCE GUIDE – ELECTRICALLY-ACTUATED HYDRAULIC PULSAJET® SERIES

PulsaJet Series	Connection Size (in.)	Max Liquid Pressure	Power	Max Flow	Max Temp (liquid)	Max Speed	Spray Tips
AA10000AUH-03	1/8 NPT or BSPT	100 psi (7 bar)* 250 psi (17 bar) (250 w/ AutoJet® 2008+ spray controller)	24 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	200°F (93°C)	10,000 cpm (15,000 cpm with AutoJet 2008+ controller)	TPU (page D6)
AA10000AUH-03-Z1	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	104°F (40°C)	10,000 cpm	TPU (page D6)
AA10000AUH-10	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (1.05 Amp)	1.6 gpm (6.1 lpm)	150°F (66°C)	5,000 cpm	TPU (page D6)
AA10000AUH-104210	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	200°F (93°C)	10,000 cpm (15,000 cpm with AutoJet 2008+ controller)	PWMD w/ auto spray pattern alignment (page D12)
AA10000AUH-104214	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	200°F (93°C)	10,000 cpm (15,000 cpm with 2008+ controller)	PWMD w/ auto spray pattern alignment (page D12)
AA10000AUH-104215	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	200°F (93°C)	10,000 cpm (15,000 cpm with AutoJet 2008+ controller)	PWMD w/ auto spray pattern alignment (page D12)
AA10000AUH-72440-1/4	1/4 (F) NPT or BSPT	100 psi (7 bar)* 250 psi (17 bar) (250 w/ AutoJet 2008+ spray controller)	48 VDC, (0.36 Amp)	0.47 gpm (1.8 lpm)	150°F (66°C)	10,000 cpm (15,000 cpm with AutoJet 2008+ controller)	TPU (page D6)
AA10000AUH-0050	5/32 (4mm) tube fittings	200 psi (14 bar)	48 VDC, (1.0 Amp)	0.08 gpm (0.30 lpm)	150°F (66°C)	25,000 cpm	PWMM w/ auto spray alignment pattern (page D12)

*Higher pressure possible with AutoJet 2008+ spray controller

ELECTRICALLY-ACTUATED HYDRAULIC PULSAJET® NOZZLE OPTIONS

AA10000AUH-03

- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Stainless steel, Viton® or EPDM seals, PPS and PEEK

**AA10000AUH-03-Z1**

- For use in Zone 1 hazardous areas
- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Stainless steel, FFKM seals, PPS and PEEK



ELECTRICALLY-ACTUATED HYDRAULIC PULSAJET® NOZZLE OPTIONS

AA10000AUH-10

- Typical flow range: 0.02 - 1.6 gpm (0.075 - 6.1 lpm)
- Highest capacity Pulsajet nozzle
- Construction: Stainless steel, Viton® or EPDM seals, PPS and PEEK



AA10000AUH-104210

- Rear liquid inlet
- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Stainless steel, Viton or EPDM seals, PPS and PEEK



AA10000AUH-104214

- Side liquid inlet for low profile mounting
- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Stainless steel, Viton or EPDM seals, PPS and PEEK



AA10000AUH-104215

- Front port for liquid recirculation
- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Stainless steel, Viton or EPDM seals, PPS and PEEK



AA10000AUH-72440-1/4

- Jacketed design keeps nozzle and sprayed liquid at a consistent temperature
- Typical flow range: 0.0017 - 0.47 gpm (0.006 - 1.8 lpm)
- Construction: Electropolished or chromium nitride coated magnetic stainless steel, stainless steel, Viton or EPDM seals, PPS and PEEK



AA10000AUH-0050

- Miniature design for applications with limited space
- Typical flow range: 0.0009 - 0.08 gpm (0.003 - 0.30 lpm)
- Construction: Stainless steel, Viton or EPDM seals, PPS and PEEK
- Available only as a part of the Pulsajet® Mini Low Flow Spray System (with AutoJet® spray controller)



QUICK REFERENCE GUIDE – OTHER ELECTRICALLY-ACTUATED HYDRAULIC NOZZLES

Other Electrically-Actuated Hydraulic Nozzles	Connection Size (in.)	Max Liquid Pressure	Power	Max Flow	Max Temp (liquid)	Max Speed	Spray Tips
AA250AUH	1/8 (F) NPT or BSPT	100 psi (7 bar)	24 VDC, (.375 Amp)	0.47 gpm (1.8 lpm)	150°F (66°C)	5000 cpm	TPU (page D6)
AA26AUH, AA26AUH-24200-2-1/2	1/4 (M) NPT or BSPT	2000 psi (138 bar)	24 VDC, (1.65 Amp)	1.1 gpm (4.2 lpm)	200°F (93°C)	1500 cpm	TPU (page D6)

OTHER ELECTRICALLY-ACTUATED HYDRAULIC NOZZLE OPTIONS

AA250AUH

- Flow rates up to 0.47 gpm (1.8 lpm)
- Accurate spray placement in high-speed or low-capacity operations
- Compact, lightweight design
- CE-certified
- Built-in mounting bracket accepts #8-32 UNC or M4 threaded screws
- Construction: Ryton® and stainless steel with Viton® seals for maximum corrosion resistance

**AA26AUH**

- Flow rates up to 1.1 gpm (4.2 lpm)
- High-speed, high-pressure operation
- Fluid module with all fluid handling parts can be replaced without disturbing the mounting or electrical connections
- 24200 version provides 2-1/2" (63.5 mm) extension for coating interiors of products like cans
- Corrosion-resistant – wetted parts are stainless steel or tungsten carbide

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or to place an order.

FOR DETAILED SPRAY TIP PERFORMANCE DATA
SEE SECTION D