

LA 820 Liquid Adhesive Dispensing Electric Guns



Fast-cycling electric guns enhance bonding quality by maintaining consistent bead length in high-speed intermittent production.

Nordson® LA 820 electric guns deliver rapid cycling and consistent deposition of cold adhesives in non-contact intermittent production. A new single-piece armature design produces linear output that maintains consistent bead length as line speed changes. Your operation benefits with improved bonding quality, less rejects and reduced setup time.



A total cycle time of 2 milliseconds and minimum service life of 200 to 500 million cycles, depending on adhesive viscosity, make LA 820 guns ideal for numerous high-speed applications. These include bag and sack, envelope, folding carton, print finishing and packaging operations.

The armature assembly and efficient coil handle a wide range of adhesives. Compact size and three-piece design provide quick installation and easy disassembly for servicing.

High-performance electric guns help improve quality.

■ **Linear output** maintains consistent bead length over varying line speeds without changing gun compensation value.

■ **Rapid cycle time** helps improve productivity.

■ **Single-piece armature assembly** provides sharp cut-off in intermittent applications.

■ **Efficient armature and coil design** deliver high-flow for a wide variety of liquid adhesives.

■ **Nickel-bonded carbide ball and seat** provide corrosion-resistance and long service life.

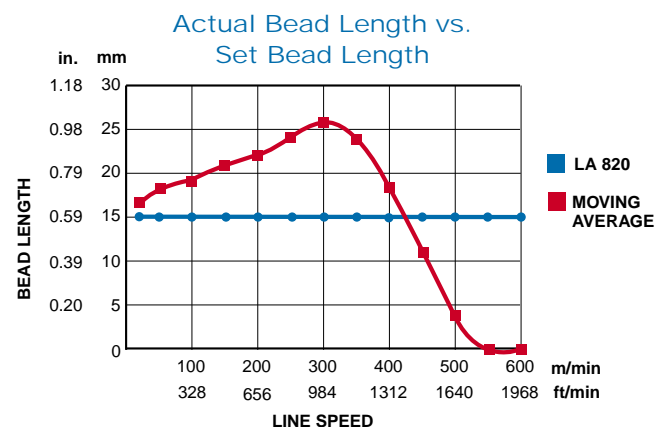
■ **Compact profile** installs easily on most parent machinery, even when using stacked configurations.

■ **Durable engineered plastics, corrosion-resistant stainless steel parts and absence of dynamic seals** help prolong service life.

■ **Wide selection of long-engagement nozzles and orifice diameters** meets specific application requirements.

■ **Optional tip seal system** prevents nozzle from drying out.

■ **Optional stackable manifold system for multi-module guns** allows application flexibility.



Bead length for LA 820 guns remains consistent, regardless of line speed.

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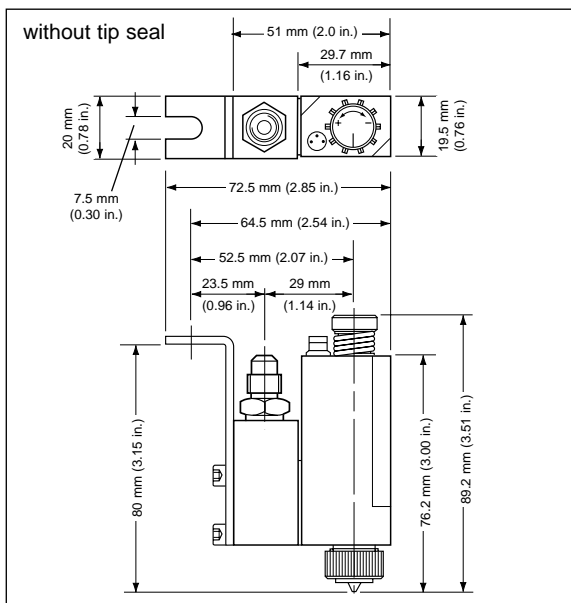
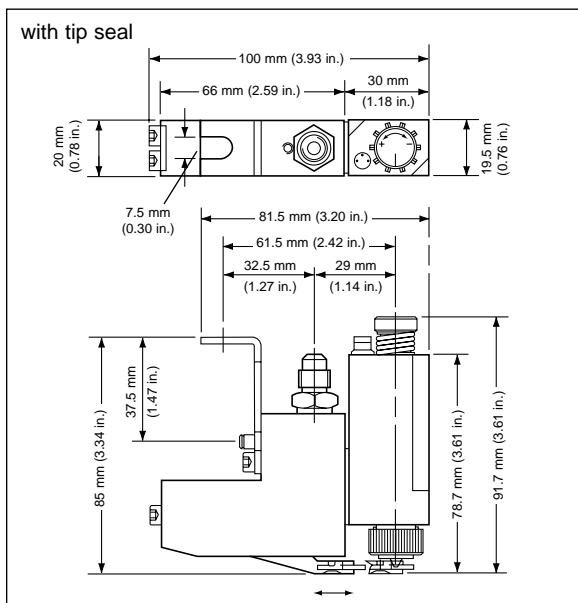
Compact profile installs easily, even when using stacked gun configurations.

Specifications

Maximum Hydraulic Pressure	20 bar (290 psi)
Total Cycle Time*	2.0 ms
Viscosity**	Up to 1500 cps (linear up to 1200 cps)
Nozzle Diameter Range***	0.3, 0.35, 0.4, 0.5, 0.6, 0.7 mm (0.012, 0.014, 0.016, 0.020, 0.024, 0.028 in.)
Connection Fittings	1/2-20 UNF, 7/16-20 UNF
Electrical Service	24 VDC
VeriTec Gun Driver	Peak duration time 32 VDC 1.5 ms, holding voltage 5 VDC
Nordson Gun Driver	Peak duration time 3 A 0.7 ms, holding current 0.5 A
Safety Class	IP65

* Times based on adhesive viscosity of 900 cps. Actual cycle time will vary depending on adhesive viscosity and characteristics.
 ** Based on linearity at 1500 cps from 100 to 350 m/min (328 to 1148 ft/min).
 *** Specify and purchase nozzles separately.

Dimensions



For more information, talk with your Nordson representative or contact your Nordson regional office.

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