

# Model A20A Automatic Electric Spray Gun

Nordson®

## Automatic, high-cycle electric spray gun for high-speed container coating applications.

The Nordson Model A20A automatic electric spray gun\* is a fast-cycle, airless gun designed for use in high-speed container coating applications. An advanced design of the industry-standard and production-proven Nordson® Model A10A and A14A guns, the A20A gun features an integral solenoid which eliminates the need for air lines and provides fast, positive response and excellent repeatability. The new removable-valve/seat module design facilitates easy replacement of the valve and seat assembly in minutes for minimal downtime without removing the gun from the spray machine or disconnecting hydraulic lines.

All wetted components of the Model A20A gun are of stainless-steel construction for improved durability and compatibility with a wide range of waterbase and solventbase lacquers. The A20A gun is triggered by electronic controls, such as a Nordson® FET timer, for more precise film deposition, accurate weight control and greater material savings.

### Patented Nordson Nozzles

The Model A20A gun uses Nordson® Controlled-Pattern or Cross-Cut® nozzles for precise coating deposition, uniform distribution of coating, and consistent coating weights. Patented Cross-Cut nozzles improve atomization at lower operating pressure to minimize overspray and bounceback for optimum material

\*Patent pending.



Extended version (left) and short version (right) of Model A20A gun.

utilization. Controlled-Pattern nozzles provide very uniform coating distribution resulting in lower coating weights and reduced costs. The A20A gun utilizes nozzles mounted directly on the short gun or extended version.

### Flow Sentry Option

The Model A20A gun is compatible with the patented Nordson® Flow Sentry® monitor. Installed with the gun or added later, this electronic system monitors the flow of coating material through the nozzle and automatically alerts the user to changes in flow caused by nozzle blockage, leakage, pump malfunctions, etc. Use of the Flow Sentry option with the Model A20A gun further ensures the performance and quality of the can-coating operation to minimize product rejects and provide optimum production quality.

### Features and Benefits

- **Removable-valve/seat module** — permits fast, easy on-line disassembly and replacement for minimal downtime.
- **Integral solenoid** — provides rapid, accurate response and eliminates the need for air lines.
- **No packing cartridges or moving seals** — reduces maintenance requirements for improved efficiency.
- **Direct, electronic triggering** — ensures excellent repeatability and accurate coating weight control for improved material savings.
- **Stainless-steel construction** — provides improved durability for use with a wide range of lacquers for greater operating versatility.

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## Specifications

### Dimensions

#### Length

Short 4.88 in. (124 mm)

Extended 6.62 in. (168 mm)

Width 2.94 in. (75 mm)

Height 2.62 in. (67 mm)

### Weight

Short 2.50 lbs. (1.13 kg)

Extended 2.75 lbs. (1.25 kg)

### Electrical

24 VDC, 1.3 amperes

### Fluid Pressure

1500 psi (10,400 kPa) maximum

### Fluid Temperature

175°F (80°C) maximum



*Modular design features removable-valve/seat.*



*New module design facilitates easy on-line replacement of seat assembly in minutes.*

**Direct Service Organization** — Nordson offers a direct sales/service team dedicated to the container industry. Container group specialists can provide assistance in individualized equipment selection, system installation and start-up, and training for proper system operation and maintenance of all Nordson systems.

**For more information** — contact your Nordson Container Industry Representative through the Nordson Customer Service Center at **800-241-8777**, or call the Container Group in Amherst, Ohio at **216-988-9411**.



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