

Model A16A Compact Inside Stripe Gun



Compact, modular gun for precise, high-speed application of protective coatings to inside seams of three-piece welded cans.

The patented Nordson model A16A compact inside stripe gun is a high-speed gun that applies a precise stripe of lacquer coating to the inside seam of three-piece welded cans. Triggered by a Nordson timer, the A16A gun provides positive on-off cycling and clean cut-off at speeds of up to 700 cans per minute. This modular gun provides accurate deposition control and increased production capability.

The gun's compact size helps achieve precision striping of smaller-sized cans – with diameters as small as 1.38 in. (35 mm) – for maximum operating flexibility. Modular design of the A16A permits fast, easy replacement of worn parts without removal of the entire gun from the spray arm. Patented Cross-Cut® nozzles used with the A16A gun provide uniform film deposition at low fluid pressures and low flow rates, and also minimize bounceback and overspray for a cleaner operation.

Gun Operation

The A16A gun features an integral electro-pneumatic solenoid for fast, positive response and excellent repeatability. The carbide ball and seat design provides quick, clean cut-off and long service life. For accurate coating temperature control to ensure consistent spray weights, the A16A is available in a circulating model. In production situations where only one fluid line can be installed through the weld arm, a noncirculating version of the model A16A is available.



Model A16A coats inside seam of small diameter can (actual size shown)

The gun can be triggered either locally or remotely. The integral electro-pneumatic solenoid on the locally-actuated model provides extremely fast and accurate operation. The remotely-actuated model permits continuous spray for applications where there is no gap between cans and intermittent operation of the gun is not required.

Flow Coating Process

Using Nordson's exclusive *flow coat* Cross-Cut style nozzles, the model A16A assures accurate and precise seam coverage at the required film thicknesses with virtually no overspray. The model A16A gun allows the nozzle to be positioned in close proximity to the inside seam of small diameter cans so coating material can be applied in a continuous film rather than an atomized spray. Known as *flow coating*, this method of deposition provides precise control of stripe width, film thickness and weight, and also eliminates bounceback and overspray for a cleaner operation.

Nordson Cross-Cut nozzles are available in a wide selection of sizes to accommodate various production specifications.

Features and Benefits

- **Compact size** – for use with various sized cans as small as 1.38 in. (35 mm) in diameter.
- **High-speed operation** – triggered by a Nordson FET-1, FET-2 or PC-40 timer, the A16A gun operates at speeds up to 700 cans per minute for increased production capability.
- **Modular design** – permits fast and easy installation and maintenance.
- **Local/remote triggering capability** – with local or remote actuation the A16A can provide an intermittent or continuous spray to accommodate specific production requirements.
- **Positive on/off cycling** – integral electro-pneumatic solenoid provides positive response and quick, clean cut-off.
- **Precise film deposition** – the A16A gun and Cross-Cut nozzle provide a uniform stripe with superior accuracy, repeatability and control.

Model A16A Compact Inside Stripe Gun

■ **Economical operation** – intermittent spray at high line speeds optimizes material utilization to provide cost-effective operation.

■ **Versatile operation** – wide range of nozzle sizes permits optimum sidestripe selection for various size cans.

■ **Hot airless spray coating technology** – reduces emissions and eliminates overspray for a safer, cleaner work environment.

■ **Carbide ball and seat design** – provides longer service life and minimal maintenance.

■ **Can-gapping capability** – highspeed, positive on-off cycling enables gapping the cans for cleaner operation, allowing coating solvent to flashoff faster and speed curing.

■ **Cross-Cut nozzles** – provide optimum performance with a variety of coatings including high-solids materials.

Specifications

Speed

700 cpm maximum – based on production of 4.0 in. (102 mm) long cans gapped at .50 in. (13 mm)

Actuating Air (Operating Range)

50-100 psi (345-690 kPa)

Fluid Pressure

500 psi (3447 kPa) maximum

Fluid Temperature

175°F (80°C) maximum

Solenoid

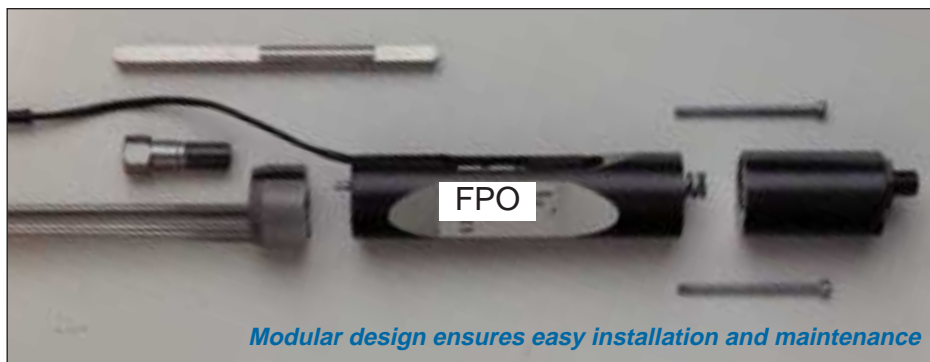
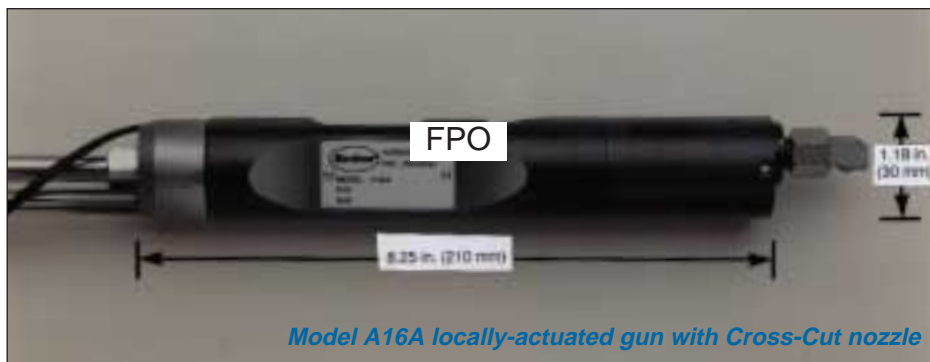
24 VDC

Can Size

1.38 in. (35 mm) diameter minimum

Weight

1.01 lbs. (0.46 kg)



ACCREDITED BY
THE DUTCH COUNCIL
FOR CERTIFICATION
Reg. No 24

ISO-9001 CERTIFICATED FIRM
DET NORSKE VERITAS INDUSTRY B.V., THE NETHERLANDS

Nordson reserves the right to make design changes to products and components to improve their function. These changes may occur between printings.

Nordson Corporation is pleased to offer worldwide sales and service support through an integrated network of regional offices. Please contact these locations for the name of your local representative.

United States

Amherst, Ohio
Telephone: (440) 985-4226
Facsimile: (440) 985-5110

Canada

Markham, Ontario
Telephone: (905) 475-6730
(800) 463-3200
Facsimile: (905) 475-8821

Europe

Benelux B.V., The Netherlands
Telephone: (31) 30-6050857
Facsimile: (31) 30-6056889

Japan

Tokyo, Japan
Telephone: (81) 3-5762-2700
Facsimile: (81) 3-5762-2701

Asia/Australia/Latin America

Amherst, Ohio
Telephone: (440) 988-9411
24-hour message service:
(440) 985-4797
Facsimile: (440) 985-3710
24-hour facsimile:
(440) 985-1096

www.nordson.com

