

VarioCoat™

Liquid Adhesive Dispensing Applicators

Modular application system provides unmatched flexibility in cold glue applications.

VarioCoat M Applicator



VarioCoat applicators:

- Support applications from simple continuous up to complex intermittent dispensing
- Are easy to install and maintain; less downtime and maintenance due to the robust design and construction
- Dispensing is reliable with sharp, clean cutoff due to snuff-back technology
- Provide extended operating life of the LA 725 pneumatic modules due to the patented, frictionless seal
- Are configurable according to customer requirements



VarioCoat S Applicator

The VarioCoat-S (single module) and VarioCoat-M (multi module) applicators are designed for contact application of medium to high viscosity, water-based, liquid adhesives (PVAC). The applicators can be used for simple continuous and complex intermittent contact adhesive applications. Both the applicators and their application patterns are configurable to meet customer requirements.

VarioCoat applicators were designed for use in the processing of paper in an industrial environment, for example in the production of bags for food products. Specific applications include one kilogram sacks for sugar, salt, coffee and flour where these applicators can be used to replace open gluing systems typically used for these types of applications.

The fast-cycling modules and snuff-back technology support sharp, clean cutoff even on high-speed production lines. The resulting patterns are reliably uniform in appearance and performance, allowing optimized adhesive use and reduced waste.

The patented LA 725 modules use an advanced hydraulic seal technology resistant to most chemicals used in water-based adhesives so they last longer than traditional shaft seals. This frictionless operation extends service life.

Specifications

Nozzle Width

VarioCoat-S	34 to 120 mm (1.34 to 4.72 in.)
VarioCoat-M	85 to 610 mm (3.35 to 24.02 in.)

Application / Coating Width

VarioCoat-S	up to 80 mm (3.15 in.)
VarioCoat-M	up to 600 mm (23.62 in.)

Minimum Cycle Time¹

7.6 ms

Adhesive Viscosity²

1,000 – 20,000 mPa.s

Recommended pH Value

4-7

Maximum Adhesive Pressure

42 bar (610 psi)

Module Actuation Air Pressure³

5 bar (72 psi)

Maximum Adhesive Working Pressure

25 bar (363 psi)

Electrical Service⁴

24 VDC ± 10%

Adhesive Connection Fitting

1/2-20UNF

Compressed Air Connection Fitting

VarioCoat-S	Direct feed: 4-6 mm (0.157 - 0.236 in.)
VarioCoat-M	Direct feed: 4-6 mm (0.157 - 0.236 in.) Common feed: 8 mm (0.315 in.)

Ambient Temperature Range

10 to 50°C (50 to 122°F)

Degree of Protection

IP64

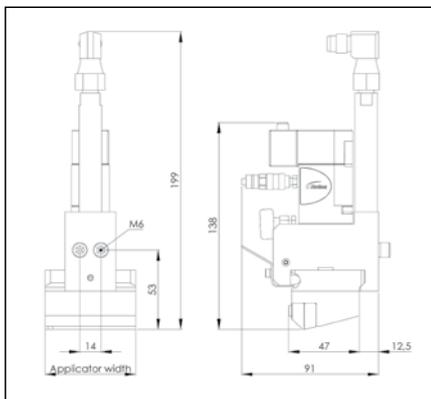
¹ Cycle time will vary depending on adhesive pressure, viscosity and other characteristics.

² Adhesive used needs to be solvent-free.

³ Oil-free air must be used.

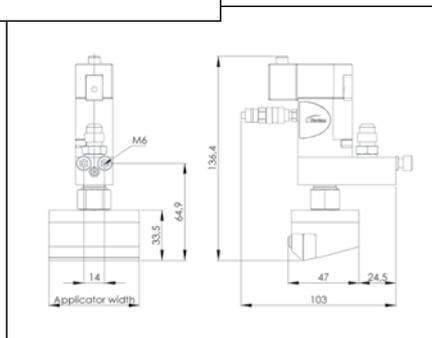
⁴ 24 VDC only. Higher voltage will damage the solenoid valve.

Dimensional Drawings (in millimeters)

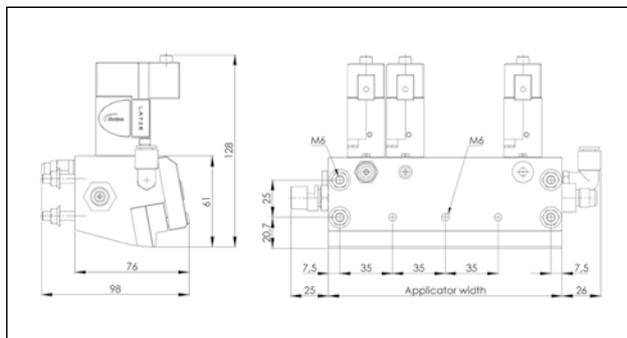


with Slide Plate

Single Module
VarioCoat-S



with Quick-Change Plate



Multi Module VarioCoat-M



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

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