



Universal™ Control Coat® Nozzles

Improve hot melt adhesive pattern uniformity and product quality on continuous and intermittent web laminations.

Universal Control Coat nozzles:

- Produce breathable, permeable and soft product features
- Allow adjustable pattern widths and placement
- Apply non-contact fibrous coatings on irregular surfaces

Leak-free operation with elastomeric seal

Durable all-steel construction

Protected, recessed nozzle tips

Modify coating density by manipulating pattern air flow

Sharp side, leading and trailing pattern edges



Universal applicator with UM25 modules and Control Coat nozzles

Universal Control Coat nozzles deliver consistent hot melt adhesive spray coatings, producing uniform patterns and repeatable bonds. Nozzles produce fibrous patterns with exceptional control of side, leading and trailing edges. Adhesive cools before web contact, reducing web distortion. The non-contact process is used for high-quality nonwovens and textile laminations that require breathable, permeable and soft product attributes.

Nozzles are compatible with several Universal series modules, including the UM25 module for continuous and less demanding intermittent operations, Speed-Coat® module for high-speed intermittent lines, high-speed electrically actuated E400U module, and UM3 module for metering applications. Manufacturers can tailor patterns using nozzles in 25-millimeter increments for full coverage or in 5-millimeter increments for partial coverage. Partial-coverage nozzles are available in side-justified or centered designs.

Common Universal parts minimize inventory and simplify service. Modules accept other spray technologies to further help reduce inventory requirements. Universal Control Coat nozzles accommodate multiple coating widths with a simple nozzle change to speed product changeovers.

Serviceable, surface-mounted elastomeric o-ring prevents leaks. Universal module screw applies uniform nozzle clamping for a positive hydraulic seal and thorough heating. Nozzles are easily cleaned and withstand repeated handling. Recessed nozzle tips protect against damage or incidental contact.



Universal Control Coat nozzles produce consistent patterns in machine and cross-web directions.



Durable all-steel nozzles are easily disassembled and cleaned.

Specifications

Module Compatibility	UM25, UMSC, E400U, UM3
Coating Widths (per module)	Full coverage 25 mm Partial coverage 5 mm (side-justified or centered)
Operating Temperature	70° to 205° C (160° to 400° F)
Working Hydraulic Pressure	13.8 to 55.2 bar (200 to 800 psi)
Maximum Hydraulic Pressure	89.6 bar (1300 psi)
Maximum Hydraulic Flow	110 grams per minute at 10,000 centipoise 14 grams per square meter at 300 meters per minute



Universal Speed-Coat module with Control Coat nozzle optimizes high-speed intermittent operations.

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

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