

E-400BR

Electric Applicators

High-speed, electric applicators that deliver superior accuracy and consistency to packaging lines



The E-400BR applicator is an electric applicator developed for mid to high-speed packaging lines. With the ability to produce various bead, stitch, and dot patterns, the E-400BR can save on adhesive usage while improving package strength; thus, proving a quick return on investment.

These applicators leverage the Saturn nozzles to deliver numerous nozzle configurations and the ability to tune the application quickly. The E-400BR has a high service life to ensure maximum efficiency and reduce total cost of ownership. Due to its electric actuation, pneumatics are not required; thus, allowing for additional savings in compressed air cost.

Compatible Drivers

- Ecobead™ E (default is E-400BR settings)
- LogiComm® Control System
- LogiComm® OEM Gun Driver (will need to be programmed for E-400BR settings)
- LogiComm® Universal Gun Driver (will need to be programmed for E-400BR settings)

Features

- Bottom Rebuildable (BR)-rebuildable module that offers a lowered cost of ownership
- Compatible with most drivers
- Fast cycle times to handle the fastest and most demanding applications
- Long service life for maximum efficiency and lowest cost of ownership
- Stitch capable-beads or dots for adhesive savings
- Saturn filter and nozzle compatible

Benefits

- An increase in uptime efficiency
- Easy retrofit capability to existing pneumatic applicators through similar mounting
- Low total cost of ownership
- Low to no operating sound
- No compressed air
- No dynamic seals for long service life
- Optimized bead deposition and package integrity
- Provides higher package strength



Specifications

Item	Specification	Notes
Coil Electrical Service	380 VDC, 2A Peak, 0.4A Hold	Operating voltage of coil
Heater Electrical Service	240VAC 50/60 Hz	Operating voltage of heater
Heater Wattage	Marked on identification plate	
Opening Time	2-3 ms	Time at which it takes the valve to fully open. This time is adhesive dependent.
Closing Time	2-3 ms	Time at which it takes the valve to de-energize and close fully. This time is adhesive dependent.
Cycle Time	4-6 ms	Shortest total time the valve can fully open and close. This time is adhesive dependant.
Cycle Rate	up to 300 Hz	Cycles are per second. This depends on the adhesive.
Maximum Hydraulic Pressure	up to 103 bar (1500 psi)	Maximum rated pressure
Maximum Working Pressure	82.7 bar (1200 psi)	Maximum pressure module can actuate
Reccommended Viscosity Range	800-1200 mPas	Adhesive viscosity outside the recommended range may result in splashing, slower cycle times or an increase in stringing
Operating Temperature	up to 190° C (375° F)	Operating over 190° C may result in premature failure.
Applicator Mounting	12mm or ½" hex/round stock	

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

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