



EcoStitch™ MX VALVES

All-Electric Adhesive Dispensing Valve featuring EcoStitch™ Technology

Valco Melton's EcoStitch™ electric valves operate at extremely high speeds, reaching 15,000 cycles per minute for short durations, and have a lifetime capable of up to 1 billion cycles, depending on operating conditions. The valve's precise EcoStitch™ dot pattern reduces adhesive usage by up to 75% for payback in as little as four months following install.

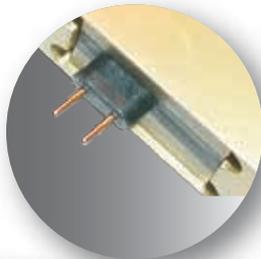
Benefits

- **Reduce Adhesive Usage.** Precisely control adhesive volume and weight dispensed to produce accurate adhesive dot patterns that can reduce adhesive usage by up to 75%.
- **Longer Valve Life.** Can reach in excess of 1 billion cycles depending on operating conditions, almost 20 times that of a standard pneumatic valve.
- **Increase Production Uptime.** Eliminate nozzle plugging and associated maintenance by using lower pressure and larger nozzle orifices to dispense adhesive.
- **Eliminate Consumable Parts & Downtime.** Compared to pneumatic pumps and valves, electric systems require almost 90% fewer seals and spare parts to run, minimizing the chance of valve failure, as well as downtime associated with repairs.
- **Minimize Spare Parts Stock.** Reduce total cost of ownership by eliminating consumable parts and decreasing investment in stock and storage costs.
- **Improve Package Strength and Quality.** Guarantee better bond integrity and achieve strong fiber tear with precise, high-speed dot placement. Electric valves can reach up to 15,000 cycles per minute, activating in as little as 2 milliseconds and producing dots as small as 1 mm in diameter.



EcoStitch™ dot pattern maintains bond integrity and achieves strong fiber tear, all while using less adhesive

The "quick-connect" coil allows for easy change-outs between valve configurations. All the connections to melt units are 100% compatible with existing hot melt equipment



The EcoStitch™ comes standard with an integrated filter in the manifold



Configuration Options:



Standard

High-speed applicator with EcoStitch dot pattern capabilities.



Low Profile

All the benefits of our electric applicator with a compact design for case sealing applications.



Washdown

Completely waterproof electric applicator.

EcoStitch Drivers and Pattern Controls

Valco Melton's Pattern Controls provide a customized signal that fires the EcoStitch MX Valve.

VD Drivers provide EcoStitch control utilizing existing PLC recipes.



Technical Specifications

EcoStitch™ Characteristics	
Valve Width	22 mm (0.860 in)
Valve Height	155 mm (6.10 in)
Mounting	12.70 mm (0.500 in) round bar
Fluid Pressure	70 bar (1000 psi)
Life Cycle	1 billion cycles*
Max. Cycle rate	15,000 cycles/min for short durations
Performance	2 msec dispense, 2 msec gap

* Depending on operating conditions



For more information, visit valcomelton.com or contact your local Valco Melton representative.

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