



## ECOStitch™ MX VALVES & APPLICATORS

### All-Electric Adhesive Dispensing Valve Featuring EcoStitch Technology

Valco Melton's MX electric hot melt valve is the workhorse for most Valco Melton hot melt dispensing solutions. The MX electric valve can operate at extremely high speeds reaching 15,000 cycles per minute for short bursts and have a lifetime capable of more than 2 billion cycles depending on operating conditions. The MX electric valve is used for many different applications including Packaging, Folding Carton, Sift Proof Packaging and Slot Coat applications. The MX is widely known as the EcoStitch capable valve in Food and Beverage packaging where end users see their adhesive usage reduced by up to 75% for instant ROI and process improvement.

#### MX Gun Configurations:



##### Standard In Line Applicator

This is a single module slim profile gun used in carton erecting and sealing as well as small tray and carton forming.



##### Compact Applicator

This small and compact design is uniquely configured for wrap around case packers and packaging "combiners" where space is limited and small profile is required.



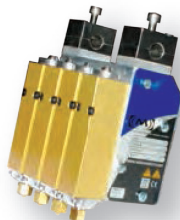
##### Low Profile Applicators

These are most commonly used in case erecting and sealing applications where the flaps of the carton or case close as the glue is being applied. These are also available in multi-module setups with dual and quad module low profile configurations being the most common.



##### Folding Carton Assembly

This assembly features the Compact Applicator configured with a mounting bar with photo eye bracket and guide for use with high speed folding carton manufacturing.



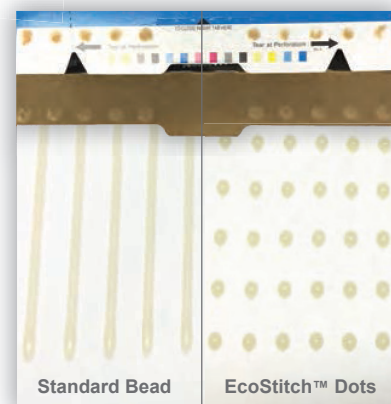
##### Multi-Module Applicators

The MX gun is configurable for whatever number of valves or spacing your application requires. Whether it's dual, quad or six module gun with variable spacing, nearly any possible configuration is available and easily adaptable to your existing machine using a common footprint design.



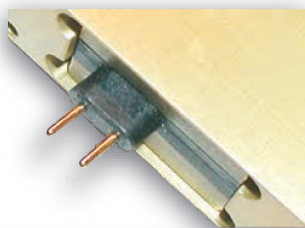
##### Washdown Applicators

All Standard, Multi-Module and Low Profile Applicators are available in a washdown configuration for use with water wash or wet environment heated hoses. This is most common in dairy and beverage manufacturing where machine washdowns commonly occur.



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

## Features:



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.



### Slot Coat Module

The MX Slot Coat module is ideal for narrow web coating and intermittent slot coat application. This MX valve can work with any of the Standard and Multi-Module Applicators.



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



### Sift-Proof/Multi-Bead Module

The MX Sift Proof module is ideal for sift proof applications in food packaging applications with granular material as well as in book binding for hard back spine gluing. The blade sets can be configured for up to 6 mini lines per module and is compatible with both the Standard and Multi-Module Applicators.

## 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.



VD2 Panel Mount



VD2 External Mount

## 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	2 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](http://valcomelton.com) or contact your local Valco Melton representative.

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