



VD-2 & VD-4

Valve Drivers

Valco Melton's Valve Drivers provide operators with the ability to activate electric applicators, while saving adhesive with the automatic EcoStitch™ mode. Valve drivers are available in two options: the VD-2, a two-channel valve driver capable of firing two independent modules either on the same gun manifold, or on separate manifolds, and the VD-4, which operates in the same capacity, but as a four-channel valve driver.

Electric valves can be operated in bead mode with a full, uninterrupted pattern for the duration of the input, or stitch mode where the entire glue pattern is made up of EcoStitch™ dots. Users can easily configure the stitch or bead parameters as well as dot placement and gap size with the simple press of a button.

VD-2 & VD-4 can work with a variety of Valco Melton's cold-glue or hot melt adhesive dispensing valves including the MX hot melt valve, the 524, 540, 400 and 900 series valves, as well as the 300-series cold glue valve. Suitable applications include hot melt packaging and where PLC's are controlling the activation timing of the adhesive applicator.

Get these immediate benefits:

- Achieve independent control of the pattern through EcoStitch or bead setting
- Customize your adhesive pattern with EcoStitch's unique "dot" and "gap" settings
- Improve operator effectiveness with simplified setup and programming tasks
- Quick installation with plug-and-run connectors
- Switch between dots and beads with the press of a button

VD-4

Pattern button provides easy access to the gluing mode, input signals, glue saving, stitch length, and recalculation

VD-2

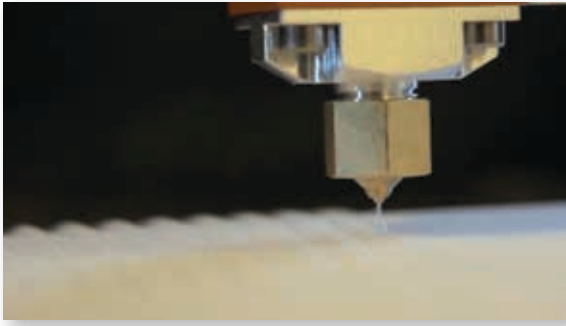


Valve on/off buttons and input/output LED's allow for easy control and adjustment

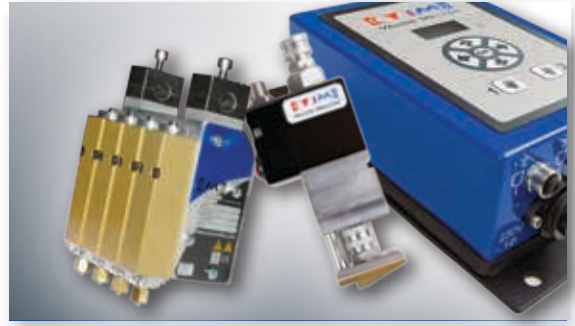


VD-4 takes up to four inputs providing a 24VDC input signal

Compact design with LCD display and input keyboard



EcoStitch™ features a sophisticated algorithm that ensures adhesive at the critical start and stop of each pattern.

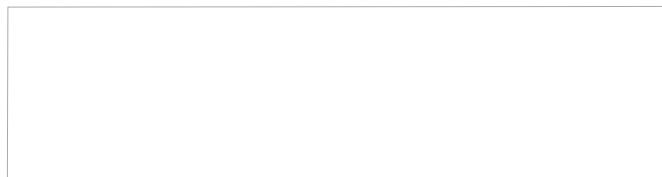


VD-2 and VD-4 are capable of working with a variety of Valco Melton's electric valve technology including the MX and 500 series.

Technical Specifications

VD-2 & VD-4 Application Characteristics	
Stitch Length	5 ms minimum
Gap Length	5 ms minimum
Dot Mode	"Bead" / "Stitch"
Gap Mode	Continuous or set to a maximum of 10 seconds

	VD-2	VD-4
Valve Connections	Two output connectors that can fire two valves from a single connector	Connections 1 and 3 support dual valve option Connections 2 and 4 support dual single valve connections
Number of Channels	Two gun channels, each capable of running one valve or electric gun	Four channels, each capable of running different stitching modes
Number of Inputs	Field-wireable input that brings the input signal from a PLC or pattern control	Up to 4 inputs that can be wired NPN or PNP
Input Voltage	208-240VAC, Hz	100/115/200/230VAC, 50-60 Hz
IP Rating	IP55	IP40
Dimensions	Height: 9.25" (235 mm) Depth: 2.77" (70.4 mm) Width: 5.00" (127 mm)	Height: 4.33" (110 mm) Depth: 9.57" (243 mm) Width: 9.41" (239 mm)
Miscellaneous	Timer Mode CE Compliant Programmable Valve Output Voltages	Timer Mode CE Compliant Programmable Valve Output Voltages Multi-valve, Complex Glue Pattern Capabilities Password Protection for Key System Parameters



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

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