



eVmP1-V/VS

Electronic Variable Metering Pump



Features:

- No Valves
- RS485, 24 VDC Digital I/O, or optional EtherNet/IP™
- Store up to 100 programs
- Foot switch or remote start
- Patented electronic adjustment
- Automatic adjustment from μL to mL
- Designed, Manufactured & Assembled in the USA
- Independently controlled stroke rate, displacement, and fine adjust
- Touch Screen Interface with adjustable mount
- Control RPM, forward, reverse, quick-prime, suck-back and more

The VMP1-V/VS is a benchtop version of the Zaxis VMP line which includes an integrated 7" capacitive touchscreen as well as 24V digital I/O controls and EtherNet/IP™. The Touchscreen rotates 9 degrees for easy viewing or can be mounted externally. The VMP1-V/VS has a splashproof stainless steel enclosure that allows you to switch the pump head on the right or the left. This enclosure is compatible with either the M or V series stepper or servo drives and M or V series pump heads. No need to supply 24V as the power supply is mounted internally. You can plug this unit directly into a 120V outlet. If you need to switch to a different pump head, then you only need to remove two screws. The VMP1-V/VS can be used in automation via RS485, EtherNet/IP™ or 24 VDC digital I/O.



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eVmP SPECIFICATION/BENEFIT MATRIX

	SPECIFICATION	BENEFIT
Accuracy and Precision	+/- 1% of full scale, 0.5 CV with 0.01 μ L resolution	Excellent repeatability. Hit your target every time, minimize waste.
System Power	60 Watts, 2 Amps, 24 VDC 110—240 VAC	Both for domestic and international use, CE.
Pressure Range	0—100 psi (customization available)	With a variable pressure range, we can ensure the eVmP satisfies the requirements of your application. The key is flexibility.
Dispense and Flow Range	0—1.28 mL/rev, up to 900 mL/min continuous	Ideal for low volume dispensing and high flow prime, clean, and purge.
Wetted Path Options	Ceramic (Medical grade alumina-oxide), 316SS, 303/304SS, PVDF, PEEK (customization available)	With flexibility in mind, we can ensure the eVmP meets even the most challenging applications including: chemically inert as well as food and pharma.
eVmP operational temperature	-20° C — 70° C, non-condensing	The eVmP's stable design is ideal for manufacturing and OEM instrumentation. Ask about our IP and NEMA options.
Operational Types	Continuous metering, Single/Multiple Dispense, Flow Direction, and Suck back	Fluid can be controlled bi-directional, allowing for fast purge or prime, clean in place, and accurate dispensing and metering.
Stored Programs	Link, Loop, Cycle, Delay Up to 100 programs on each pump drive	Automate your dispensing process thereby minimizing user error while simultaneously increasing efficiency of your manufacturing/ dispensing process.
Communication	RS485, 24 VDC Digital I/O, or optional EtherNet/IP™	Zaxis offers a number of communication options for OEM applications perfectly adapted for automation.



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