



## Electronic Variable Metering Pump

The VMP1-V/V/S 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 optional EtherNet/IP™. The touchscreen rotates 9 degrees for easy viewing or can be mounted externally. The VMP1-V/V/S 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/V/S can be used in automation via RS485, EtherNet/IP™ or 24 VDC digital I/O.

## FEATURES

- ✓ No Valves
- ✓ Automatic adjustment from  $\mu\text{L}$  to mL
- ✓ RS485, 24 VDC Digital I/O, or optional EtherNet/IP™
- ✓ Designed, manufactured and assembled in the USA
- ✓ Store up to 50 programs
- ✓ Independently controlled stroke rate, displacement, and fine adjust
- ✓ Foot switch or remote start
- ✓ Touchscreen Interface with adjustable mount
- ✓ Patented electronic adjustment
- ✓ Control RPM, forward, reverse, quick-prime, suck-back and more

## SPECIFICATIONS

	<i>Specification</i>	<i>Benefit</i>
<b>Accuracy and Precision</b>	+/- 1% full scale accuracy, 0.5 CV with 0.01 µL resolution	Excellent repeatability. Hit your target every time, minimize waste.
<b>System Power</b>	60 watts, 2 amps, 24 VDC, 110 - 240 VAC	Both for domestic and international use, CE.
<b>Pressure Range</b>	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.
<b>Dispense and Flow Range</b>	0 - 1.28 mL/rev, up to 900 mL/min continuous	Ideal for low volume dispensing and high flow prime, clean, and purge.
<b>Wetted Path Options</b>	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.
<b>eVmP Operational Temperature</b>	-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.
<b>Operational Types</b>	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.
<b>Stored Programs</b>	Link, loop, cycle, delay up to 50 programs on each pump drive	Automate your dispensing process thereby minimizing user error while simultaneously increasing efficiency of your manufacturing/dispensing process.
<b>Communication</b>	EtherNet IP, RS232, RS485 1/2 or full duplex	Zaxis offers a number of communication options for OEM applications perfectly adapted for automation.

## OTHER ZAXIS PRODUCTS



**Z-Reg**  
High Pressure  
Electronic Regulator



**Z1**  
Single Channel  
Leak Tester



**Z5/Z8**  
Benchtop  
Leak Testers