

VC500 Auger Valve Controller

The VC500 is a sophisticated and easy to use valve controller for achieving precise and repeatable dispensing results when using 24V DC auger dispense valves. Dispensing parameters can be quickly entered into the machine using the intuitive navigation buttons, with all programmed values being simultaneously displayed on the multi-line LED screen.

A motor delay and reverse function result in a clean cut-off of the fluid material from the auger valve at the end of the dispensing cycle. The I/O interface ensures the controller can be easily and fully integrated with a dispensing robot or into an automated production line with ease.



Features

- 1 programmable memory slot
- Digital timer control
- 0-100 psi fluid pressure regulator & gauge
- 3 dispense modes (manual, timed & cycle)
- 2 fluid pressure outputs (constant & pulsed)
- Multi-line LED display screen
- Operator lockout function
- Dispense cycle counter
- 7 channel I/O circuit for external control and robot integration
- Adjustable forward and reverse motor speed control
- Durable aluminum housing designed for industrial work environments
- Worldwide compatible power supply

Benefits

- Precision regulator and gauge for controlling fluid pressure of the fluid feed system to the auger valve
- Bi-directional motor control helps to achieve a repeatable and positive fluid shut-off at the end of the dispense cycle
- Air input alarm for monitoring consistent input pressure
- Auto-purge cycle and glue alarm prevents premature curing of material
- Push-in style air inlet and outlet ports for universal functionality
- Compatible with 24V DC style auger valves
- Motor current overload alarm protects the connected auger valve
- Included pneumatic accessories allow the controller to be quickly set-up as a "plug & play" system

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Specifications

Item Number	VC500
Dimensions	7.56" x 5.04" x 3.00" (192 x 128 x 76 mm)
Weight	2.36 lbs (1.07 kg)
Input AC to Power Supply	100 - 240 VAC, 50/60 Hz
Cycle Rate	> 400 cycles / min
Relative Humidity	20 - 90% (No condensation)
Operating Temperature	50 - 104 °F (10 - 40 °C)
Timer	0.008-999.9 secs
Air Input	100 psi (7 bar) max
Air Output	1-100 psi (0.07-7 bar)
Standards	CE Approved, UKCA Approved, RoHS Compliant, EMC Compliant

Contact Us

USA
 info@fisnar.com
 1 (262) 253-8600

Europe
 infoeurope@fisnar.com
 +44 (0) 1355 577222

Asia
 info@fisnar.com.hk
 +852 2389-2827

India
 info@fisnar.in
 +91-11-4556-6223-5