

ValveMate 9000 Controller

For dual dispense valve control applications



Increased functionality for increased results.

The ValveMate™ 9000 controller supports two valve systems, one channel for each valve. Each channel is capable of driving a remote high-speed solenoid valve up to 500Hz. To further achieve greater precision and consistency, the controller incorporates a heating system and an electronic fluid reservoir pressure regulator for each channel.

The ValveMate 9000 can be programmed to automatically change the dispensing parameters over time. This allows the system to compensate for periodically changing conditions, such as viscosity changes as well as dispensing patterns of different sized deposits.

Features

- Programmable dispensing time setting with digital time readout
- Input / output (I/O) communication with host machine PLCs
- Programmable fluid pressure settings
- Dual 24 W temperature controllers for J-type thermocouples
- Dual EPRs (electronic pressure regulators)
- Auto Sequence mode
- 100 individual memory storage cells
- Remote programming capability via external PC or PLC
- A front panel manual dispense cycle key
- Four independent general-purpose input / output (I/O) drivers
- Two end-of-cycle feedback circuits
- Dual variable-voltage (5–24 VDC, 24 W) valve drivers with spike-and-hold capability
- Cycle counter display for each valve driver

Benefits

- Precise full-to-empty reservoir pressure control
- Setup parameters can be adjusted remotely by PLC
- Auto Increment mode that adjusts dispensing parameters after a certain number of shots or a specific elapsed time
- Accurate control of external system components such as low powered solenoids
- Auto Sequence mode that allows deposit patterns to be repeated automatically

| Part # | Description |
|---------|---------------------------|
| 7028693 | ValveMate 9000 Controller |

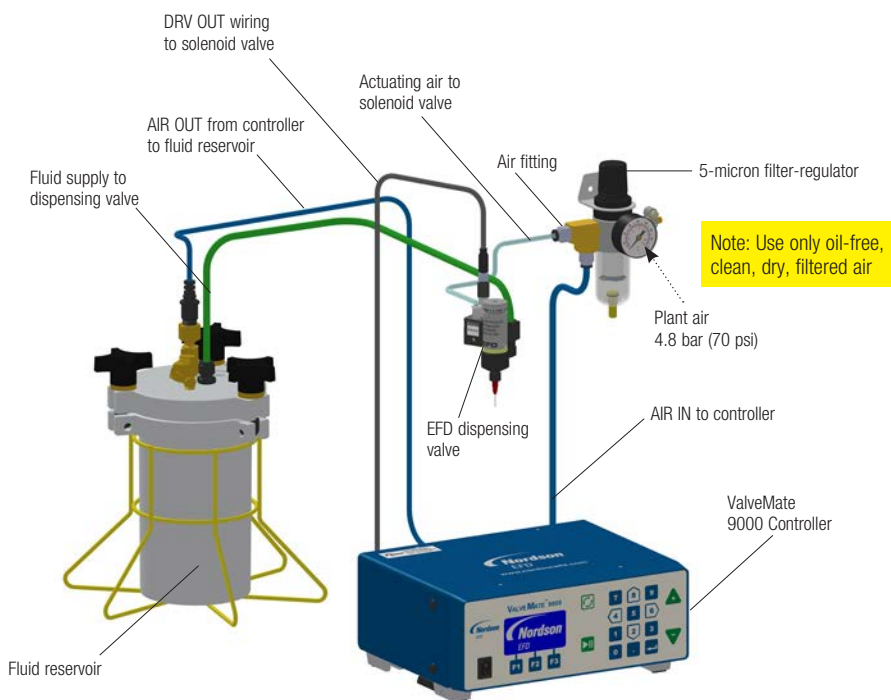


more info



Specifications

| Item | Specification |
|------------------------|--|
| Cabinet size | 255.0w x 111.0h x 214.0d mm (10.04w x 4.36h x 8.43d") |
| Weight | 3.5 kg (7.6 lb) |
| Cycle rate | Up to 500Hz |
| Time range | 0.0001–9.9999 s, 100 µs resolution |
| Electrical power input | 24 VDC (+/-10%), 2.4 Amp maximum, 50/60Hz |
| External power adapter | 100–240 VAC (+/-10%), ~50/60Hz input, desktop type, AC input: IEC 320 inlet |
| Feedback circuits | End of Cycle (EOC) 1–2 and Alarm Out (AO): Electronic switch, 24 VDC, 100 mA maximum |
| Initiate circuits | 5–24 VDC signal or foot pedal |
| Input air pressure | 4.8–6.9 bar (70–100 psi) |
| Approvals | CE, UKCA, TUV, RoHS, WEEE, China RoHS |
| Warranty | 1 year, limited |



Select Your Valve

See the Valve Selection Guide for the valves compatible with this controller — www.nordsonefd.com/ValveGuide.

Request a Process Evaluation

Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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