

ValveMate 8040 Controller

The easiest way to achieve exceptional spray pattern definition



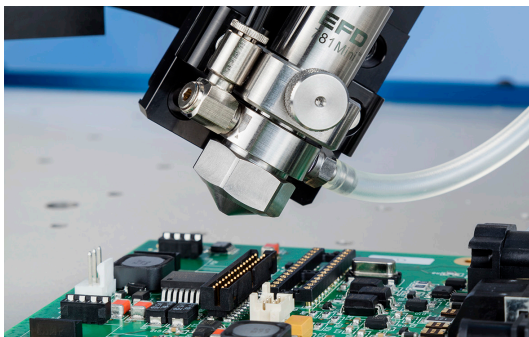
The ValveMate 8040 controller is a fast, convenient way to adjust spray valve open time in increments as small as 0.001 seconds.

Spray pattern is defined through a combination of fluid pressure, valve stroke and valve open time, with valve open time providing the greatest control over the volume of fluid sprayed.

The ValveMate™ 8040 controller is a fast, convenient way to adjust spray valve open time in increments as small as 0.001 seconds. External solenoids, combined with a 0–2.0 bar (0–30 psi) nozzle air pressure regulator, provide Low Volume Low Pressure (LVLP) air to the nozzle, for high transfer efficiency without overspray. The result is exceptional spray pattern definition without time-consuming programming or mechanical adjustments that require the production line to be shut down.

Features and Benefits

- “On the fly” adjustment
- Timed or continuous spray
- Clean, clog-free cutoff
- Fast-response pneumatic solenoids
- Cost-effective—one ValveMate 8040 can control 1 or 2 spray valves
- Simple to set up and operate
- Easily interfaced with a PLC



781Mini spray valve applying conformal coating.

Part #	Description
7022120	8040 Spray Valve Controller
7022250	Single In-line Solenoid
7022251	Dual Solenoid Block
7014871	Kit, power cord*, American plug
7014872	Kit, power cord*, European plug

*Order separately



more info



Specifications

Item	Product
Cabinet size	18.3 _w x 5.1 _h x 8.6 _d cm (7.20 _w x 2.00 _h x 3.38 _d ")
Weight	0.3 kg (0.6 lb)
Cycle rate	Exceeds 400 per minute
Time range	0.001–99.9 s
Input AC (to power supply)	100–240 VAC, 50/60Hz
Output DC (from power supply)	24 VDC, 1.25 Amp maximum
Feedback circuits	5 to 24 VDC NC solid-state switch 100 mA maximum
Cycle initiate	5–24 VDC signal
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.

Automated Dispensing Systems

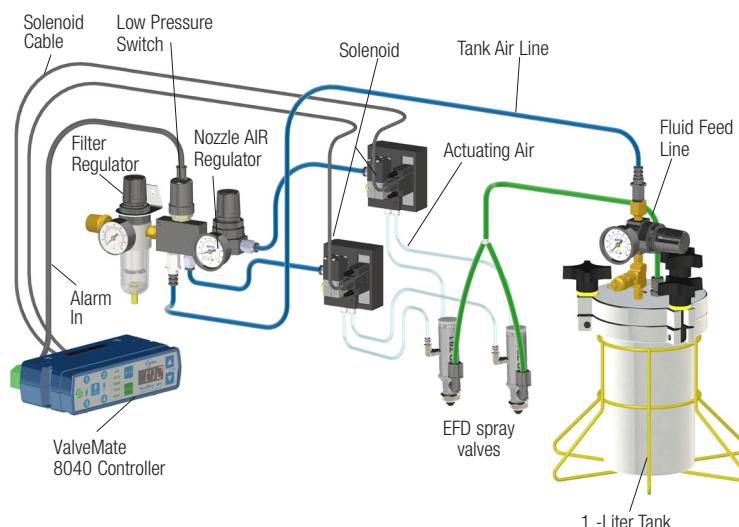
Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.

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.

ValveMate 8040 Controller



ValveMate 8040 controllers feature microprocessor circuitry for precise spray control. Feed lines can be purged, initial spray volumes set, and adjustments made quickly and easily at the spray station, without stopping the production line.

The ValveMate 8040 is simple to set up and operate, and easy to interface with PLCs and other equipment. When the signal to start the cycle is received, the ValveMate's microprocessor takes over and regulates the amount of fluid sprayed as Low Volume Low Pressure air is applied to the nozzle. At the end of the cycle, nozzle air continues for a few milliseconds to ensure a clean clog-free cutoff, and the ValveMate signals that the process has been completed.

Note: ValveMate 8040 can be configured with either single or dual spray valve operation. Above schematic depicts dual valve installation.



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

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