

# ValveMate™ 8040 Controller– the easiest way to achieve exceptional spray pattern definition

For EFD  
781 Series  
spray valves

**EFD**<sup>®</sup>  
A NORDSON COMPANY



Performance  
Guarantee

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 0-30 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.



## 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

[www.efd-inc.com](http://www.efd-inc.com) [info@efd-inc.com](mailto:info@efd-inc.com) fax 401-431-0237 USA & Canada 800-556-3484

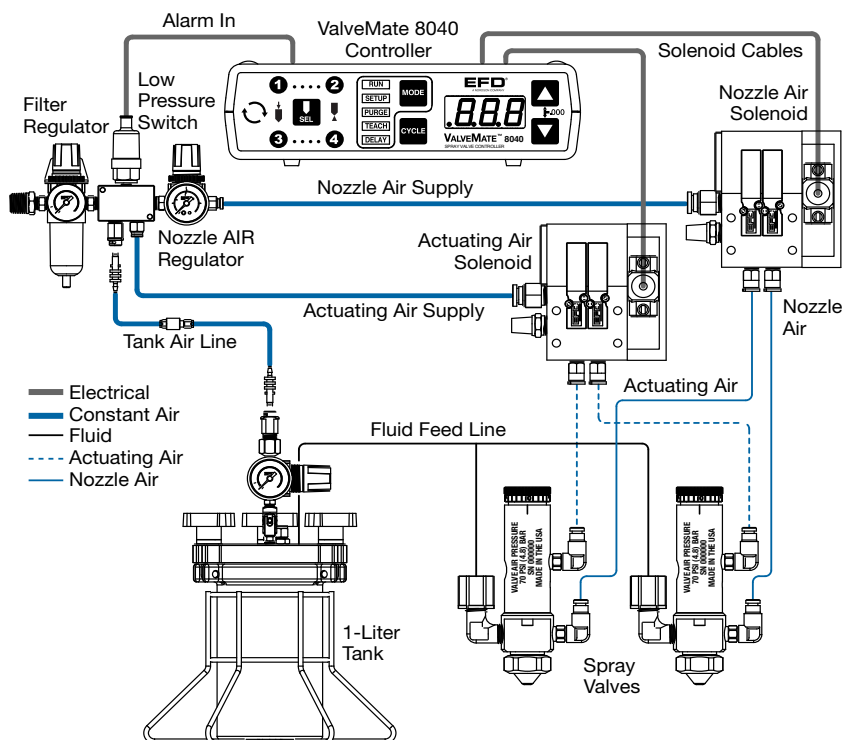
Sales and service of EFD dispensing systems are available worldwide.



## 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.



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### EFD, Inc.

East Providence, RI USA  
 USA & Canada: 800-556-3484; +1-401-434-1680  
[info@efd-inc.com](mailto:info@efd-inc.com) [www.efd-inc.com](http://www.efd-inc.com)

### EFD International Inc.

Dunstable, Bedfordshire, UK  
 0800 585733 or +44 (0) 1582 666334  
 Ireland 00800 8272 9444  
[europa@efd-inc.com](mailto:europa@efd-inc.com) [www.efd-inc.com](http://www.efd-inc.com)

### EFD, Inc., Asia

China: +86 (21) 5854 2345  
[china@efd-inc.com](mailto:china@efd-inc.com) [www.efd-inc.com/cn](http://www.efd-inc.com/cn)  
 Singapore: +65 6796 9630 [sin-mal@efd-inc.com](mailto:sin-mal@efd-inc.com)

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<b>Cabinet Size:</b>	18.3 cm x 8.5 cm x 5 cm (7.22" W x 3.38" D x 2" H)
<b>Weight:</b>	.27 kg (.6 lbs)
<b>Input AC (to power supply):</b>	100-240 VAC – 50/60 Hz
<b>Output Voltage (from power supply):</b>	24 VDC – 1.25 Amp maximum
<b>Power Requirements:</b>	24 VDC 1.25 Amp maximum
<b>Feedback Circuits:</b>	5 to 24 VDC NC solid-state switch 100mA maximum
<b>Initiate Circuit:</b>	5 to 24 VDC signal
<b>Cycle Rate:</b>	Exceeds 400 per minute
<b>Time Range:</b>	Programmable .001 to 99.9 seconds