

# ValveMate 7140 Controller

The easiest way to achieve exceptional spray pattern definition



For single dispense valve control applications, choose EFD's advanced technology ValveMate 7140 Controller.

The ValveMate™ 7140 Spray Valve Controller is designed for single spray valve applications and features internal solenoids.

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 7140 controller is a fast, convenient way to adjust spray valve open time in increments as small as 0.001 seconds. Adjustable 0-30 psi nozzle air pressure regulator provides Low Volume Low Pressure (LVLV) 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

- Intuitive, easy user interface
- “On the fly” adjustment
- Timed or continuous spray
- Clean, clog-free cutoff
- Fast-response pneumatic solenoids
- Simple to set up and operate
- Easily interfaced with a PLC
- Digital air output display (psi/bar)

Part #	Description
7015341	7140 Spray Valve Controller, 0–2.0 bar (0–30 psi) nozzle air pressure control
7015429	7140 Spray Valve Controller, 0–7.0 bar (0–100 psi) nozzle air pressure control



more info

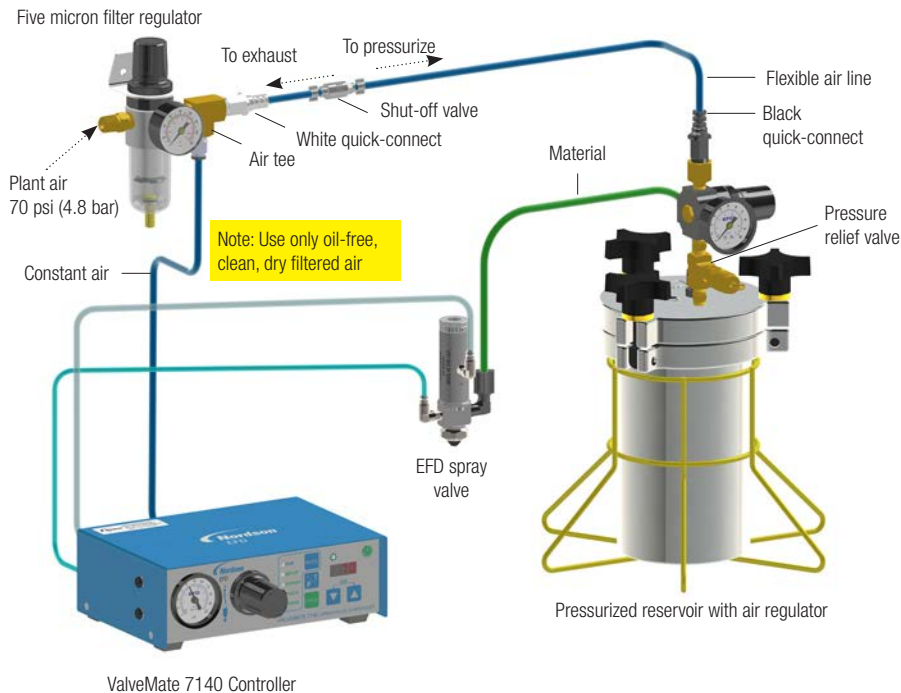


## Specifications

Item	Specification
Cabinet size	20.0W x 6.8H x 14.2D cm (7.87W x 2.68H x 5.59D")
Weight	1.8 kg (3.9 lb)
Cycle rate	Exceeds 400 per minute
Time range	0.001–99.9 s
Electrical power input	24 VDC (± 5%), 0.63 Amp maximum
External power adapter	100–240 VAC (± 10%), ~50/60Hz input, 24 VDC (± 5%), 0.63 Amp output, Switchcraft S761K locking DC plug or equivalent, wall mount, changeable AC plugs
Feedback circuits	5–24 VDC NC solid-state switch, 100 mA maximum
Cycle initiate	5–24 VDC signal, foot pedal, or contact closure initiate
Input air pressure	5.5–7.0 bar (80–100 psi)
Air consumption	3 CFM at maximum 400 cycles per minute
Approvals	CE, UKCA, TUV, RoHS, WEEE, China RoHS
Warranty	1 year, limited

ValveMate 7140 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 7140 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.



## Select Your Valve

See the Valve Selection Guide for the valves compatible with this controller — [www.nordsonefd.com/ValveGuide](http://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](http://www.nordsonefd.com).

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