

ValveMate 7160RA Controller

For Radial Spray or Radial Spinner Valve System Operation



The ValveMate 7160RA controller provides nozzle air and drive motor on/off control.

The ValveMate™ 7160RA controller provides nozzle air and drive motor on/off control for the 782RA internal Radial Spray Valve and 7860C-RS Radial Spinner System.

Unique microprocessor circuitry provides exact time control and interacts with the host computer. Momentary input of 5 to 24 VDC from the host computer or a dry contact closure initiates the dispense cycle. When the cycle is complete, an open collector circuit closes to provide an end-of-cycle signal to the host computer.

For 782RA Radial Spray installations, a built-in air pressure regulator provides Low Volume Low Pressure (LVLP) nozzle air to ensure high transfer efficiency without overspray.

For Radial Spinner Systems, the 7860C-RS combines a compact air-driven motor with a low-maintenance EFD dispense valve. The valve dispenses a precisely metered amount of fluid onto a spinner disk attached to the air motor. As fluid reaches the edge of the disk, it spins off, forming a neat band inside the part.

Features

- Timed or continuous spray/air motor rotation
- Fast-response pneumatic solenoids
- Easily interfaced with a PLC
- Digital air output display (psi/bar)
- End-of-cycle (EOC) feedback signal
- Alarms for low air-pressure, tank level detection, and other detection devices

Benefits

- Intuitive, easy user interface
- Simple to set up and operate
- “On the fly” adjustment
- Clean, clog-free cutoff
- Push-button time setting or one touch time programming



Radial Spray Valve



Radial Spinner System

Part #	Description
7029739	7160RA Radial Spray Valve Controller

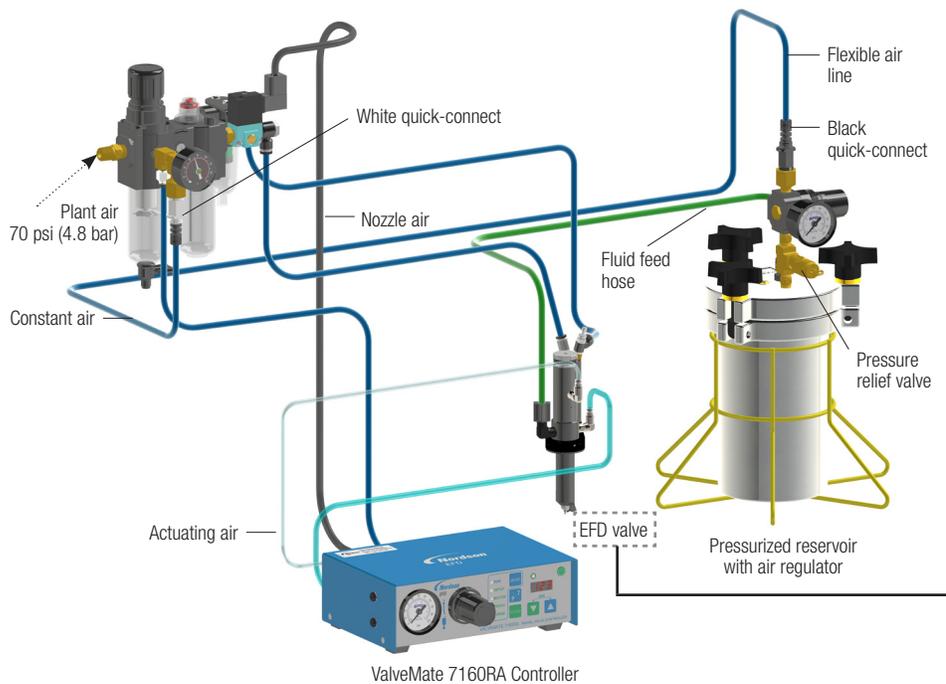


more info

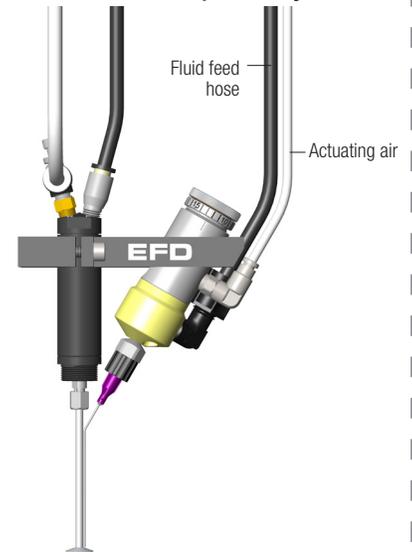


Specifications

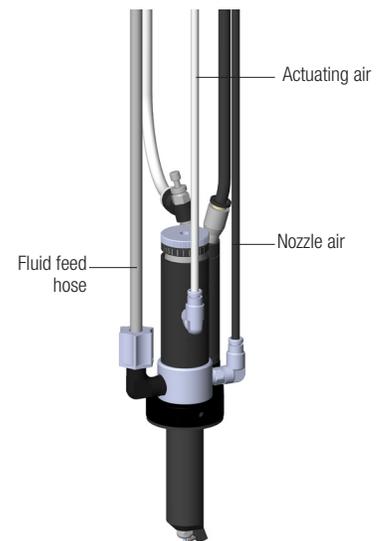
Item	Specification
Cabinet size	20.0w x 6.8H x 14.2D cm (7.87w x 2.68H x 5.59D")
Weight	1.8 kg (3.9 lb)
Cycle rate	Exceeds 400 per minute
Time range	0.001–99.9 s
Electrical power input	24 VDC (± 5%), 0.63 Amp maximum
External power adapter	100–240 VAC (± 10%), ~50/60Hz input, 24 VDC (± 5%), 0.63 Amp output, Switchcraft S761K locking DC plug or equivalent, wall mount, changeable AC plugs
Feedback circuits	EOC Out & Alarm Out: Electronic switch, 24 VDC, 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



7860C-RS Radial Spinner System



782RA Radial Spray Valve



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.



EFD

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

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