

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 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

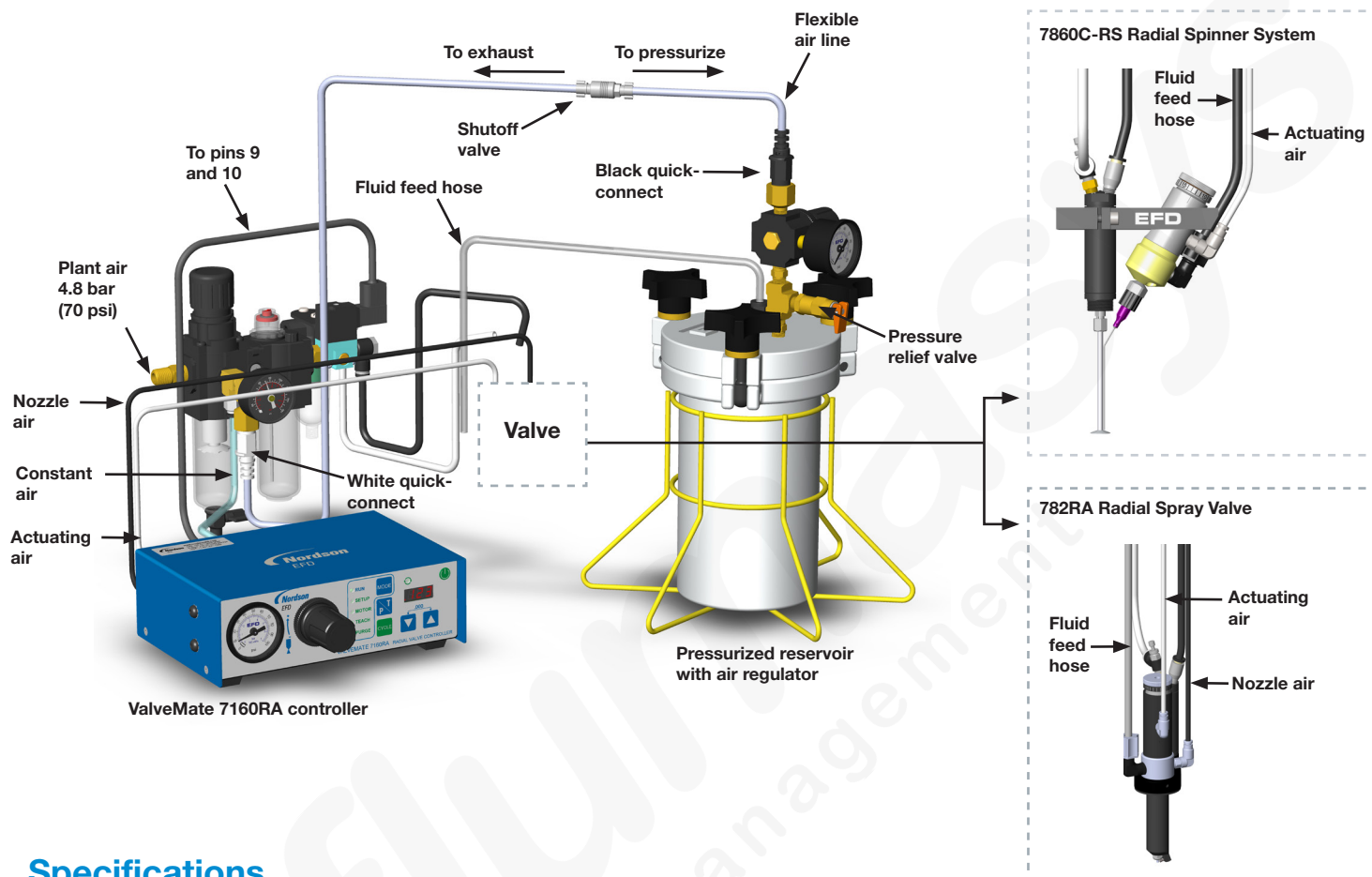
Radial Spray Valve



Radial Spinner System



ValveMate™ 7160RA Controller



Specifications

Cabinet Size:	20.0 cm x 14.2 cm x 6.8 cm (7.9 in. W x 5.6 in. D x 2.7 in. H)
Weight:	1.75 kg (3 lbs 14 oz)
Electrical Power Input:	24 VDC (+/- 5%), 0.63 A maximum
Electrical Input Connector:	Switchcraft L722RA or equivalent, locking type
External Power Adapter:	100–240 VAC (+/-10%), ~ 50/60 Hz input, 24 VDC (+/- 5%), 0.63 A 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
Initiate Circuits:	5–24 INIT: 5–24 VDC initiate signal CC INIT & foot switch: Dry contact initiate circuits, 19 mA, closure current INIT signal duration: No less than 0.012 seconds momentary or maintained for steady
Cycle Rate:	Exceeds 400 per minute
Time Range:	Programmable 0.001–99.9 seconds
Product Classification:	Installation Category II Pollution Degree 2 Meets or exceeds CE and CSA requirements

