

ValveMate™ 7094BL and 7094DC controllers for fast, precise adjustment of 794 Series auger valve output.

For use with
EFD Auger
Valve Series
794

EFD®
A NORDSON COMPANY



Automatic dispensing stations run at maximum speed and efficiency when EFD 794 Series auger valves are operated by ValveMate controllers. All valve control functions are adjacent to the dispensing station.

Valve open time is the primary control of deposit size.

ValveMate 7094 Series controllers provide a fast, convenient way to adjust valve open time in increments as small as 0.001 second. This provides exceptional process control and eliminates the need to reprogram a PLC.

Precision air pressure regulator provides precise pressure control to the barrel reservoir and can be operated in a continuous or pulse mode. Each 794 Series auger valve requires one ValveMate 7094DC controller (for brush style motors) or ValveMate 7094BL controller (for brushless style motors) for proper operation.



Performance
Guarantee

Features

- On-the-fly deposit adjustment
- Motor voltage range of 10-24VDC
- Non-volatile, power-off memory
- Motor overload fault detection
- Programmable time
- Continuous or pulse pressure mode to reservoir

ValveMate™ 7094BL and 7094DC Auger Valve Controllers

ValveMate 7094BL and 7094DC controllers feature microprocessor circuitry and allow all EFD valve functions to be controlled at the dispensing station, without the need to reprogram a PLC. The 794 Series auger valves can be purged and deposit size can be adjusted and checked quickly and easily.

ValveMate controllers are easily interfaced with PLCs and other equipment. When a signal to start the dispensing cycle is received, the ValveMate's time program takes over and completes the cycle. At the end of the cycle, the ValveMate signals the PLC that the operation has been completed.



ValveMate™ 7094BL Controller

Controller specifications

	7094BL	7094DC
Application	Brushless Motor Auger Valve Control	Brush Motor Auger Valve Control
Use with Valve Series	794-SB, 794-SB-16, 794-FB, 794-FB-16, 794-FB-16-DL	794-SR, 794-SR-16, 794-FR, 794-FR-16, 794-FR-16-DL
Cabinet size (H x W x L)	2.7 x 7.5 x 5.6" (7 x 19 x 14 cm)	2.7 x 7.5 x 5.6" (7 x 19 x 14 cm)
Weight	2.99lb (1.36kg)	2.99lb (1.36kg)
Input AC (to power supply)	100-240 VAC	100-240 VAC
Output voltage (from power supply)	30VDC-1.2AMP maximum	30VDC-1.2AMP maximum
Initiate voltage (I/O mode)	5 to 24 VDC momentary	5 to 24 VDC momentary
Dry contact closure initiate	✓	✓
Internal voltage	30 VDC	30 VDC
Motor overload/fault detection	400 mA	300 mA
Voltage, optional foot pedal	5 VDC	5 VDC
Minimum/maximum air input	70 psi (4.8 bar) to 90 psi (6.2 bar)	70 psi (4.8 bar) to 90 psi (6.2 bar)
Time range and cycle repeat	0.001-99.9 seconds, 0.00005 second repeat	0.001-99.9 seconds, 0.00005 second repeat
On-the-fly adjustability	✓	✓
One Year Limited Warranty	✓	✓

ValveMate™ 7094BL and 7094DC Auger Valve Controller

The ValveMate 7094BL and 7094DC controllers provide time, fluid pressure, and speed control for 794 Series auger valves. Microprocessor-controlled functions include motor startup acceleration limits and maximum current overload protection for extended motor life.



For EFD sales and service in over 30 countries,
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