

Valve Controllers



Fisnar valve controllers are used to ensure long lasting and reliable control of our complete range of precision dispense valves. They provide a simple and convenient way of accurately controlling and adjusting cycle times. The wide range of available valve controllers offered, allow them to be individually tailored to their specific compatible valve type to ensure efficient and optimal performance.

DC200 Precision Valve Controller

A multi-purpose digital controller, recommended for use with Fisnar pneumatically-actuated valves. This system uses a high-performance regulator with constant pressure control and a digital display to provide consistent, repeatable control.

For use with 710PT-U, VD510, MV-0180, CV629, VP300, VMP30H, 790HP, and VMS400 dispense valves.



Push-to-connect style fitting standard on DC200 controller.

560671U Stand and 790HP-LF Valve sold separately.

Item Number	Description
DC200	Digital Valve Controller

Features

- Air input tolerance can be set for consistent pressure
- Can be locked to keep programs from being modified
- Auto purge and glue alarm to prevent premature curing of materials
- Dispense counter for tracking completed dispense cycles
- Multiple dispensing modes for easy use in many applications
- I/O circuit for external control and robot integration
- Regulator sensitivity of 0.2% and a repeatability of +/-0.5%

Specifications

Cycle Rate	600+ cycle/minute
Timer	0.008 - 9999s
Programs	10 memory slots
Input AC to Power Supply	100 - 240 VAC, 50/60 Hz
Output DC from Power Supply	24 VDC - 0.75 Amp
Air Input	70 - 100 psi max
Air Output	1 - 100 psi
Dimensions (WxDxH)	180 x 195 x 80 mm (7.09 x 7.68 x 3.15")
Weight	1 kg (2.2 lb)
Standards	CE Approved, RoHS compliant

VC1195N 4-Way Valve Controller

A 4-way valve controller that can be used to control one or two valves simultaneously. The high flow, high speed, internal solenoid rapidly shuts off the dispense valve to prevent drooling and ensures consistent dispense results, by providing a constant air supply to the dispense valve. This ensures it remains in a closed position to prevent premature actuation.

For use with 790HP, VDP150, VMS400, VMP30H, VP300, and MV-0180 dispense valves.



562235U stand and VDP150 Valve sold separately.

Item Number	Description
VC1195N	4-Way Valve Controller

Features

- Timing interval from 0.01 to 31 seconds
- Fast response internal pneumatic solenoid
- Actuated by foot pedal or remotely from a robot
- Manual and timer modes
- Can simultaneously control up to two valves

Specifications

Dispense Time	0.01 - 31s
Voltage	100 - 240 VAC, 50/60 Hz
Air Input	70 - 100 psi
Air Output	1 - 100 psi
Dimensions (WxDxH)	264.2 x 209.6 x 69.9 mm (10.4 x 8.25 x 2.75")
Weight	1.9 kg (4.2 lb)

SVC100 Spray Valve Controller

A fully integrated spray valve controller suitable for all Fisnar SV series spray valves. Simple setup and operation for a variety of basic and advanced spray applications.

The SVC100 spray valve controller allows the fluid dispense signal and atomizing air signal to be independently programmed to achieve a clean and precise spray pattern.



562054U stand and SV1000SS valve sold separately.

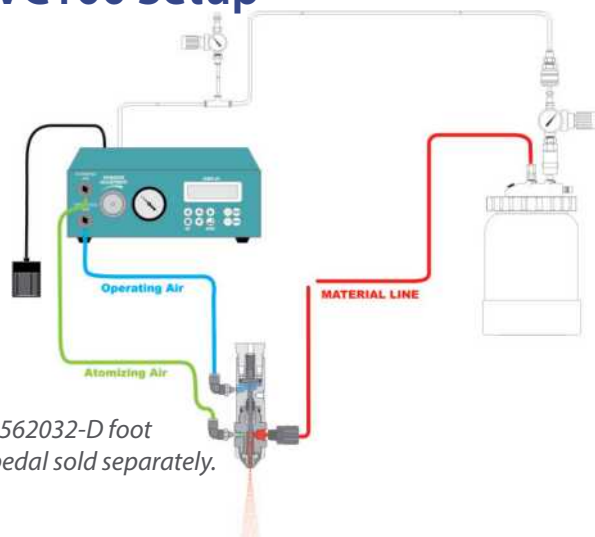
Features

- Timed or continuous spray
- Clean, clog-free cut off
- Easy integration with robotic platforms

Models

Item Number	Description
SVC100-110	110 VAC Spray Valve Controller
SVC100-220	220 VAC Spray Valve Controller

SVC100 Setup



**562032-D foot pedal sold separately.*

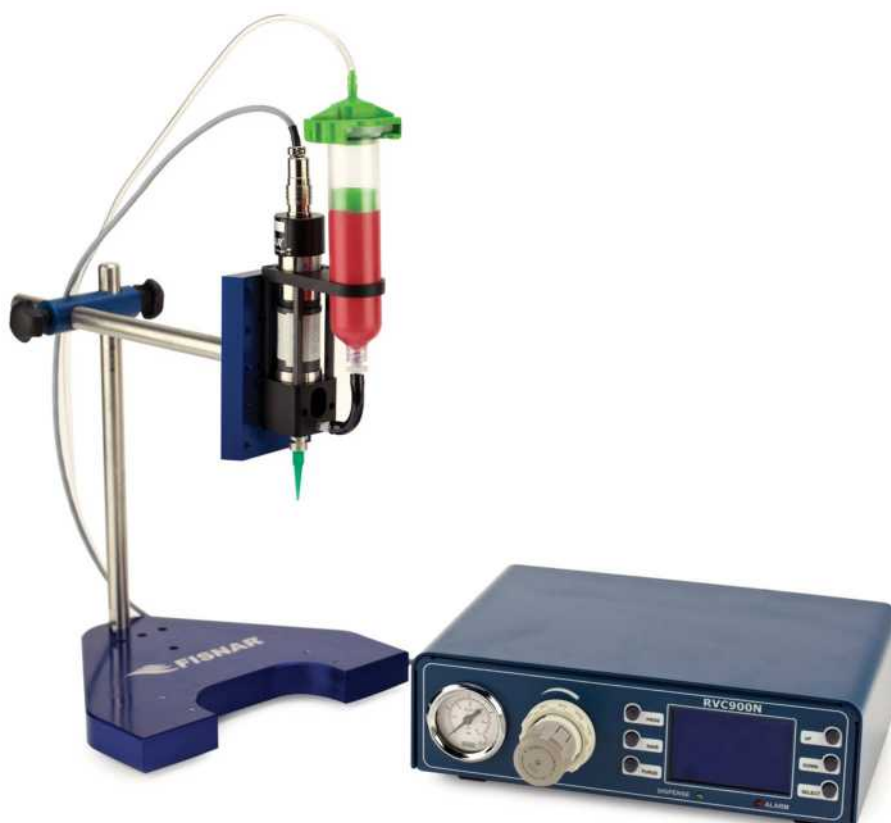
Specifications

Dispense Time	0.008 - 99.99s
Voltage	SVC100-110: 110 VAC, 50/60 Hz SVC100-220: 220 VAC, 50/60 Hz
Air Input	70 - 100 psi
Valve Air Output	70 - 100 psi
Spray Air Output	1 - 60 psi
Dimensions (WxDxH)	232.7 x 187.5 x 82.6 mm (9.16 x 7.38 x 3.25")
Weight	2.72 kg (6 lb)

RVC900N Auger Valve Controller

The RVC900N controls the PDV-1000 series of auger valves. The controller delivers accurate and repeatable dots and beads for any application, whether automated or manually operated.

Due to the constant motor speed output, any change in material viscosity does not impact the dispense flow rate. The controller supplies material pressure to the barrel, adjusted via a regulator and pressure gauge. A reverse timer and speed control can set the amount of controlled suck-back at the end of the dispense cycle.



562235U stand and PDV-100 valve sold separately.

Features

- Simple to program
- Up to 8 stored programs
- Auto or manual control
- Constant motor speed
- Adjustable forward and reverse speed and time

Specifications

Item Number	Description
RVC900N	Auger Valve Controller
Time Range	0.01 - 99.99s
Voltage	100 - 240 VAC, 50/60 Hz
Output Pressure	1 - 60 psi
Dimensions (WxDxH)	230 x 210 x 70 mm (9.05 x 8.26 x 2.76")
Weight	1.65 kg (3.6 lb)

PC200 Progressive Cavity Valve Controller

An advanced valve controller suitable for use with all Fisnar PC I-Series and V-series progressive cavity valves.

The Graphic User Interface (GUI) provides simple touch-screen programming and operation for both one and two component dispense applications.

The 4" HMI display allows all dispense parameters to be independently programmed on one single screen. An integral pressure regulator and digital pressure gauge ensure easy system installation.



Connecting cable required for operation. Sold separately. [See page 73.](#)

Features

- Manual and timed dispense modes
- Digital pressure output display
- Operator lockout
- Adjustable forward & reverse speed
- Controllable suck-back delay dwell time
- User friendly touch-screen interface (GUI)
- Cleaning routine for valve maintenance
- Auto-purge (anti-gel function)
- Remote program select function

PC200 Setup



Item Number	Description
PC200	Progressive Cavity Valve Controller

Specifications

Time Range	0.01 - 500s
Programs	200 memory slots
Voltage	100 - 240 VAC, 50/60 Hz
I/O	7 inputs / 7 outputs / RS485
Air Input	70 - 100 psi
Air Output	1 - 100 psi
Dimensions (WxDxH)	203.2 x 279.4 x 114.3 mm (8 x 11 x 4.5")
Weight	1,700 g (3.75 lb)
Standards	CE Approved, RoHS Compliant

Pz-CON Piezo Electric Valve Controller

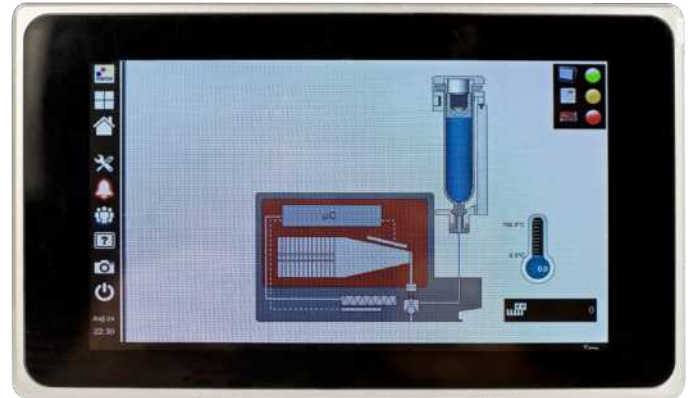
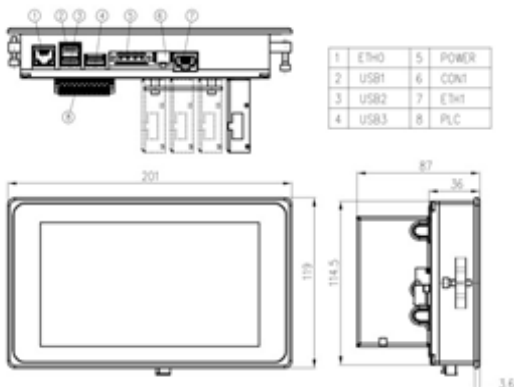
The Pz-CON piezo electric valve controller can be configured to independently control up to 4 Pz1200 valves. The pre-fitted driver module(s) uses an amplifier to generate the correct signal wave to actuate and control the piezo elements within the valve ensuring precise dispense control.

The built-in memory allows up to 10 individual programs to be created containing pulse time and sequencing times & frequency. A built in USB connection also allows for programs to be remotely stored.

Each controller is supplied with three different user adjustable pulse definition profiles, which is critical when jetting fluid materials in order to minimize fluid build-up on the valve seat and unwanted satellites on substrate.

Features

- User friendly 7" touchscreen display
- User configurable I/O
- Control up to 4 valves
- Temperature control
- Operator lockout
- Valve purge screen
- 10 user programmable memories
- Trigger or continuous operation mode
- Remote program backup
- Programmable pulse definition profiles



Power supply & valve connecting cable (4.5 m) included.

Item Number	Description
PZ-CON-1	Piezo Valve Controller - 1 Channel
PZ-CON-2	Piezo Valve Controller - 2 Channel
PZ-CON-3	Piezo Valve Controller - 3 Channel
PZ-CON-4	Piezo Valve Controller - 4 Channel

Specifications

Time Range	0.84 - 999ms
Programs	10 memory slots
I/O	3 inputs / 5 outputs
Input AC to Power Supply	96 - 264 VAC, 47 - 63 Hz
Output DC from Power Supply	24 V / 11.67 A
Dimensions (WxDxH)	201 x 119 x 32.5 mm (8 x 4.7 x 1.3")
Weight	800 g (1.76 lb)
Standards	CE Approved, RoHS Compliant