



**WHERE
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PRODUCTION**



SV100 / SVC100 AUGER VALVE DISPENSING SYSTEM

SYSTEM SPECIFICATIONS

SV100 DISPENSE VALVE

Dimensions:

139.7 mm x 69.22 mm x 29.21 mm
(5.5 in x 2.73 in x 1.15 in)

Weight:

9 oz (0.26 kg)

Viscosity Range:

25,000 cps – Paste

Minimum Shot Size (Filled Materials):

0.020" (0.5 mm) Dots

Maximum Inlet Fluid Pressure:

100 psi

Auger Material:

Stainless Steel

Auger Motor:

24V DC Servo Motor

SVC100 CONTROLLER

Dimensions:

241 mm x 168 mm x 70 mm
(9.5 in x 6.63 in x 2.75 in)

Weight:

5 lbs (2.27 kg)

Power:

115/230V AC input voltage
24V DC internal voltage

Air:

100 psi (6.9 bar) maximum input

Repeat Accuracy:

0.5 ms (0.005 sec)

Certifications:

CE, RoHS

The SV100 is ideal for dispensing all medium to high viscosity pastes, epoxies, and abrasive compounds in dot and bead patterns. The SV100 can dispense dots as small as 0.020" in diameter. A dedicated servo controller, the SVC100, permits customized valve settings for handheld or automated applications.

The SVC100 is a standalone controller utilized for operation of the SV100 valve. This highly functional control system permits programming of the motor speed to the dispense valve, air pressure to the pre-packaged syringe, and a variable auger reverse time for clean cycle stops. The SVC100 is equipped with a foot pedal actuator for handheld processes.

The SV100 has many integrated features including:

- ▲ The choice of an 8, 16, or 32 pitch stainless steel auger for custom dispensing profiles
- ▲ 3, 5, 10, or 30 cc syringe barrel holder
- ▲ Disposable feed tube connects syringe to the fluid body
- ▲ Virtually zero dead space within the valve design
- ▲ Field maintainable design
- ▲ 24V DC servo motor drive with optional encoder to provide displacement feedback
- ▲ Adjustable auger speed and reverse motion for clean cycle stops
- ▲ 9-pin serial port connection

For more information on PVA's dispensing capabilities, please contact one of our sales representatives at (518) 371-2684.

The SV100 auger valve is suitable for integration onto all PVA robots, including:

PVA3000	Automated dispensing system
PVA850	Vision-based automated dispensing system
PVA650SMT	Vision-based automated dispensing system
PVA650	Automated dispensing system
PVA350	Benchtop dispensing system
PVA250	Benchtop dispensing system



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SV100 Mounting Dimensions

