

SV560

Precision Dispensing Pump, Solenoid Operated, Piston Driven



Valcor Engineering Corporation



DESCRIPTION

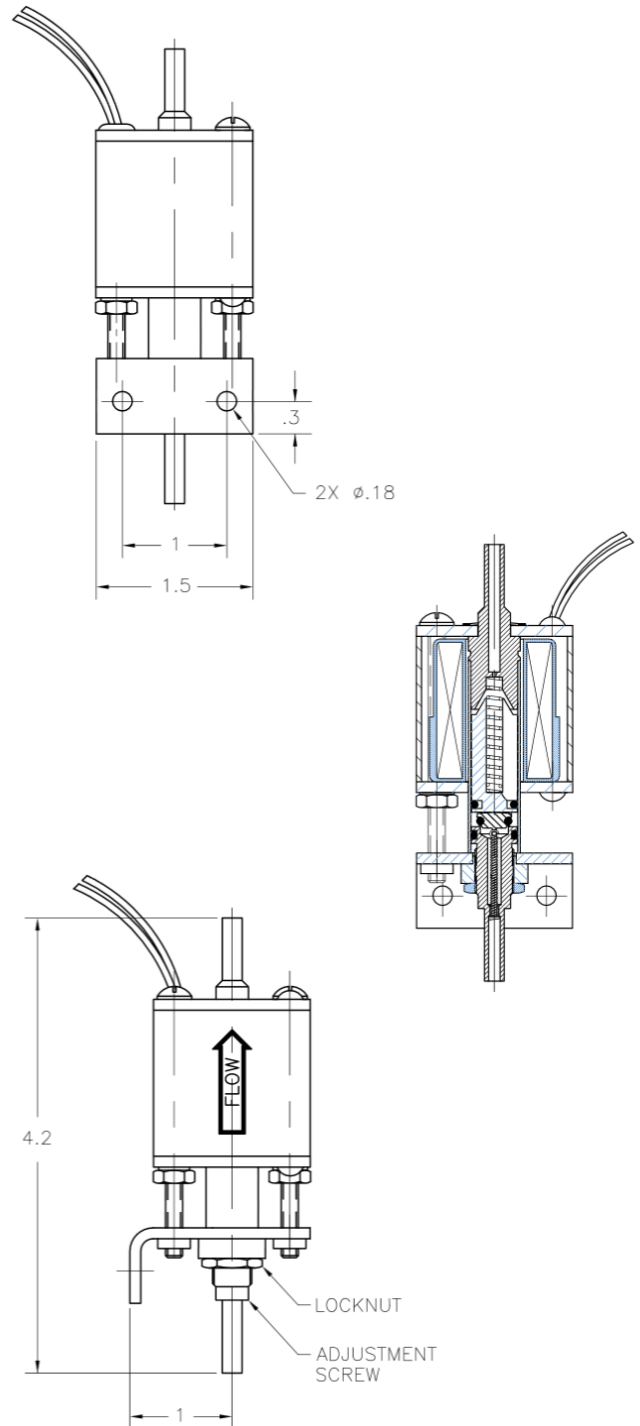
The SV560 series Precision Dispensing Pumps are compact piston operated, variable displacement metering pumps designed to dispense precise volumes of liquid. The dispense volume is set using the external adjustment. Cycling the pump on and off creates a single, discrete dispense volume. Multiple cycles create a total dispensed volume. The pump is pulsed continuously to create a metered flow. The dispense volume is accurate to $\pm 2\%$ of setpoint. The simple design ensures accurate dispensing over an exceptionally long service life without the need for maintenance.

APPLICATION

The SV560 series are used to dispense any liquid compatible with stainless steel and elastomer seals. Examples include: liquid chromatography reagents and diluents, analytical and medical instruments and equipment, condiment packaging, point of sale beverage syrup flavor dispensing, ink, paint, and colorant dispensing, cosmetics and fragrance packaging, and soap and detergent dispensing.

FEATURES

- Dispense volume range of $35\mu\text{L}$ to $350\mu\text{L}$ per stroke
- Flow Rate: 42 mL/Min of water or similar viscosity liquids
- Self-priming with up to 36" suction head
- Self-lubricating
- 15 watts at 115/60 Hz or 24 VDC 70° F; continuous duty
- Electrical connection: 10" 18 AWG pigtails standard, 1/2" NPT conduit hub available
- Stainless steel construction with elastomeric seals
- End connections for use with 3/16" plastic tubing
- Economic alternative to syringe & peristaltic pumps
- Mountable in any orientation
- Fully customizable for your application



Custom designs are our specialty. Contact us today to see how we can help on your next project.

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Valve Parts in Contact with Fluid

Wetted Materials 300/400 Series SS, EDPM or Fluoropolymer, Silver (AC)

Electrical

Standard Voltages 115/60 Hz or 24/DC. Other voltages are also available. Consult factory.
Standard Coil Housing General purpose with pigtail leads

Specifications

Tube Connection 3/16" ID flex tubing
Coil Construction Class H, 10" Leads
Power 15 Watts (115/60 Hz & 24 DC)
Output per Stroke 35 to 350 μ l
Max. Stroke per Minute 120 on H2O
Max. Dispense CAP Rate 42 ml/min
Max. Priming Height 36" of H2O
Minimum On-Time 250 milliseconds
Max. On-Time 6 seconds (DC)
1 second (AC)
Repeatability \pm 2%
Special Requirements Consult Factory

Part Number Configurator

Series Number	Lead Option	Voltage	Elastomer
SV560	P = Pigtails	30H = 115/60 Hz	2 = FKM
	C = Conduit	56H = 24/DC	7 = EPDM

Example: SV560P30H-7 equals SV560 pump with pigtail leads, 115/60 AC coil, & EPDM elastomer.