SV603
High Purity Precision Dispensing Pump, Solenoid Operated, Piston Driven

DESCRIPTION
The SV603 Series High Purity Precision Dispensing Pumps are compact piston operated, variable displacement metering pumps designed to dispense precise volumes of liquid. No metallic parts are in the flow path. Only polypropylene, glass, and elastomers are in contact with the media. 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 simple design ensures accurate dispensing over an exceptionally long service life without the need for maintenance.

APPLICATION
The SV603 series are used to dispense any high purity liquid compatible with polypropylene, glass and elastomer seals. Examples include: analytical and medical instruments and equipment, highly acidic or alkaline liquid dispensers, pH adjustment systems, liquid chromatography reagents and dilutens, and potable and waste water treatment chemicals.

FEATURES
• Dispense volume range of 100µL to 1500µL per stroke (AC version)
• Flow Rate: 180 mL/min of water or similar viscosity liquids
• Self-priming with up to 60” suction head
• Self-lubricating
• 21 watts at 115/60 Hz or 24 VDC 70° F; continuous duty
• Polypropylene construction with glass sleeve and elastomeric seals
• ¼” NPT ports
• Economic alternative to syringe & peristaltic pumps
• 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: Polypropylene, Glass, EDPM or Santoprene

Electrical

Standard Voltages: 115/60 Hz, 24/DC or 12/DC
Standard Coil Housing: General purpose with pigtail leads

Specifications

- Tube Connection: 1/8” NPT
- Min. inlet tube 3/16” I.D.
- Min. outlet tube 1/8” I.D.
- Coil Construction: Class B, 18” Leads
- Power: 21 Watts (115/60), 21 Watts (24/DC, 12/DC)
- Output per Stroke: 100 to 1500 µl (AC)
- 100 to 1200 µl (DC)
- Max. Stroke per Minute: 120 on H2O
- Max. Dispense CAP Rate: 180 ml/min (AC)
- 144 ml/min (DC)
- Max. Priming Height: 60° of H2O
- Minimum On-Time: 250 milliseconds
- Max. On-Time: 6 seconds
- Repeatability: ±2%
- Special Requirements: Consult Factory

Part Number Configurator

<table>
<thead>
<tr>
<th>Series Number</th>
<th>Voltage</th>
<th>Elastomer</th>
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<tbody>
<tr>
<td>SV603P</td>
<td>115 = 115/60 Hz</td>
<td>E = EPDM/Santoprene</td>
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<tr>
<td></td>
<td>24 = 24/DC</td>
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<tr>
<td></td>
<td>12 = 12/DC</td>
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Example: SV603P115E equals SV603 pump with pigtail leads, 115/60 AC coil, EPDM elastomer
Note: This series is only available with pigtail leads.