

# Dispensing/Metering Pump

Solenoid Operated, Piston Design

Model: SV560



## INTRODUCTION

For more than 40 years, Valcor Scientific, a Division of Valcor Engineering Corporation has designed and provided solenoid operated pumps. The SV560 Series pumps are rugged, reliable precision devices, capable of operating through one million cycles without the need of maintenance.

Recommended for a wide range of liquid dispensing applications, the SV560 Series offers distinct advantages over other pumps in terms of durability, cost, size and accuracy.

The SV560 pump provides an output

range, ranging from 50 to 350 microliters per dispense.

## DESCRIPTION

The SV560 is a piston-pump activated by the electrical energization of a solenoid coil. As the coil is energized and de-energized, a piston moves up and down to dispense liquids.

Wetted parts are stainless steel and elastomeric seals, making the SV560 suitable for most non-corrosive liquids.

The volume of liquid dispensed per piston stroke depends on the stroke

length, which is easily adjustable. To dispense at a specific flow rate, the solenoid coil is pulsed at an appropriate cycle rate.

## APPLICATIONS

The SV560 pump is well suited to applications requiring repeatable precision dispensing of small volumes over-time to create a total volume of liquid.

It performs well in a wide range of industrial and laboratory applications, including high viscosity fluids.

To meet individual requirements, Valcor can modify elastomer materials, mountings, inlet and outlet fittings, voltage, and other features.

Typical SV560 applications include:

### Dispensing:

- Adhesives
- Reagents in clinical instrumentation
- Diluent in analytical instrumentation
- Lubricants

### Metering:

- Reagents in analyzers
- Concentrated liquids in a flow of aqueous spray

### Adding:

- Syrup to carbonated water in soda machines
- Fragrance to personal products

