

# Single Cylinder Piston Filler Model SVS

## Ideal for a Variety of Applications:

- Food
- Cosmetics
- Paint
- Chemicals
- Veterinary
- Pharmaceuticals
- Automotive
- Personal Care
- Thick or Thin Products



### Design Features

**HIGH ACCURACY** guaranteed to 0.5% of the fill weight

**STAINLESS STEEL** frame & wetted metal product contact parts

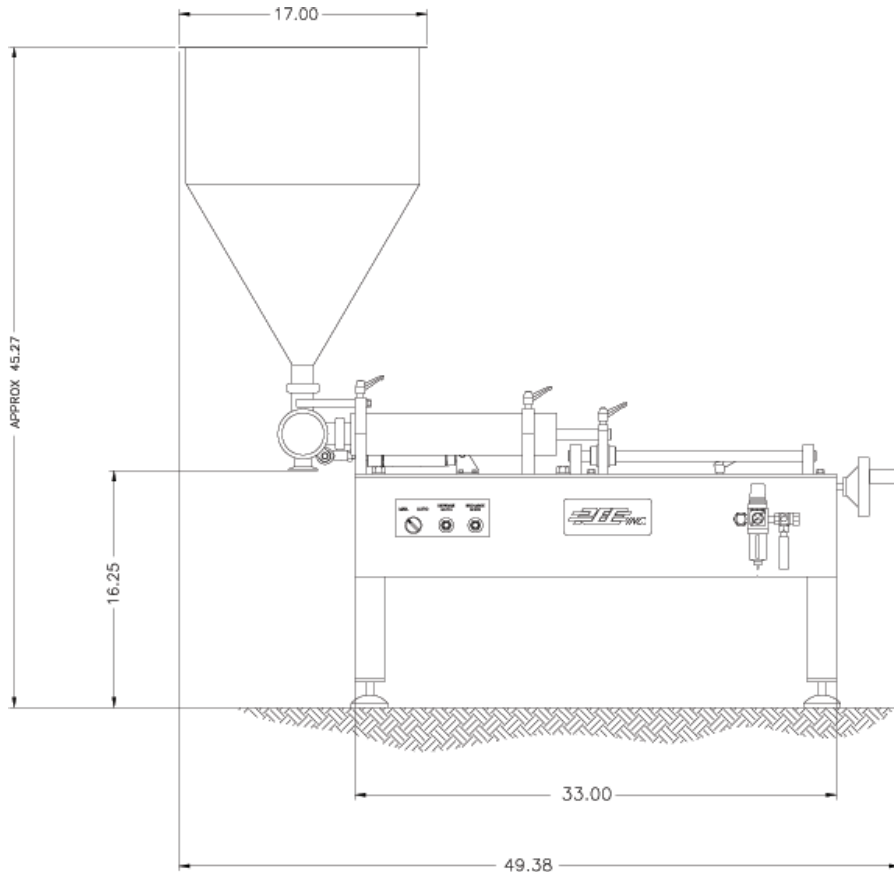
**VERSATILE** filling system is capable of handling a wide range of products & volumes

**NO TOOL DISASSEMBLY** for quick & easy clean-up & changeover

**LOWER INITIAL INVESTMENT** cost compared to many competitors

**SPEEDS** of 50+ cycles per minute 0.5% of the fill weight

# SPECIFICATIONS



## STANDARD MACHINE FEATURES

- Wetted metal contact parts of stainless steel
- 12 gallon stainless steel hopper
- Fills from fractional ounces up to 157 ounces with cylinder changes
- Frame constructed of stainless steel
- Built-in scale for setting the stroke length
- Product contact system is held together with tri-clamp fittings
- Pneumatically powered air required 4 to 8 CFM at 80 PSI
- Spare Parts Kit & Operation Manual

## OPTIONAL FEATURES

- Variety of spouts & cut-off nozzles
- Dual stage speed controls
- Heated valves & jacketed hoppers
- Additional cylinder & piston sets
- Powered conveying systems
- Automatic container indexing systems
- Multi-stroke cycle counter
- Diving nozzle assemblies
- Many hopper sizes with a variety of agitator styles



Pedestal Mounted Machine with optional positive cut-off nozzle

# Machine Description

## PRODUCT SUPPLY SYSTEM

All metal product contact parts are made of stainless steel. The piston and valve spool are made of Ertalyte and all O-rings and gaskets are made of Viton.

Features one straight down stainless steel nozzle.

Includes twelve gallon stainless steel hopper.

**Customer's choice** of 1", 1.5", 2", 2.5" or 3" diameter stainless steel cylinder for fills with guaranteed accuracy of +/- 0.5% of the fill weight. For correct cylinder sizing, reference the chart below.

Size	Fill Volume (oz.)		Fill Volume (ml)	
	MIN.	MAX.	MIN.	MAX.
1"	.5	4.3	15	127
1.5"	1	9.8	30	289
2"	2	17.25	60	510
2.5"	3	27.2	90	804
3"	6	39.25	177	1,160

**NOTE:** The above listed minimum fill volumes were obtained from a calculation using a 1.5" stroke.

## MACHINE CONSTRUCTION

All connections between the hopper and valve housing, cylinder and valve housing, and nozzle and valve housing are quick disconnect clamps to aid in the disassembly for cleaning.

The machine frame is made of stainless steel.

The SVS is equipped with two types of machine cycle start mechanisms, an auto cycle mode and a single cycle foot pedal control.

The SVS is also equipped with adjustable stroke rate control valves to allow the machine's filling speed to be adjusted while the machine is in operation.

The SVS is pneumatically operated. The normal air requirement for operation is 4 CFM at 80 PSI and a maximum of 11 CFM at 80 PSI on automatic cycle.



# Miniature Single Cylinder Piston Filler

## Model SVS

**NOTE:** Air must be filtered and dry.

The machine is designed to run 40 to 50 cycles per minute, depending upon the piston stroke length, the product being dispensed, the viscosity of the product and how the product reacts when it hits the bottom of the container.

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### ADDITIONAL FEATURES

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Includes an SVS spare parts package consisting of valve and piston seals quick disconnect clamp and gasket, and other parts deemed necessary for one year of operation.