

SVS-J - SEMIAUTOMATIC SINGLE CYLINDER VOLUMETRIC SYSTEM

MACHINE DESCRIPTION:

PRODUCT SUPPLY SYSTEM:

All metal product contact parts will be made of stainless steel, the piston and valve spool will be of Ertalyle and all "O"Rings and Gaskets will be made of Viton.

One straight down stainless steel nozzle.

One stainless steel air activated, positive closing style nozzle to help eliminate drips.

The machine will be equipped with a 5 gallon stainless steel hopper.

Customers choice of 3/4", 1", 1.5" or 2" diameter stainless steel cylinder for very accurate fills with guaranteed accuracies of +/- 1/2 of 1% of the fill weight. For correct cylinder sizing reference the chart.

SIZE	FILL VOLUME IN OUNCES		FILL VOLUME IN ML	
	<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>
3/4"	.24	1.2	7	35
1"	.43	2.1	12	62
1.5	1	4.9	30	144
2"	2	8.7	60	257

NOTE: The above listed minimum fill volumes were obtained from a calculation using a 1" stroke.

FILLER CONSTRUCTION:

The machine frame is made of stainless steel.

All connections between the hopper and valve spool, cylinder and valve spool, and nozzle and valve spool will be either quick disconnect clamps or quick disconnect fittings to aid in the ease when disassembling and cleaning.

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

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

The SVS-J is pneumatically operated. The normal air required for operation is a constant 1.5 cfm @ 60 psi on either single or automatic cycle.

NOTE: Air must be filtered and dry.

The machine is designed to cycle 40 times per minute.

APPLICATION:

This machine will be designed and manufactured to fill a thick paste type product into tubes at estimated speeds of 5 to 20 cpm. Filling speeds are dependent 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.

SVS-J OPTIONS

NOZZLES:

- A. Additional straight down filling nozzle
- B. Air activated, positive closing style nozzle to eliminate drips. NOTE: This is recommended for thin or stringy products.

HOPPERS:

- A. 5 gallon stainless steel straight wall hopper with follower plate in lieu of standard cone hopper
NOTE: This is used for thick products that cavitate in the hopper.

ADDITIONAL CYLINDERS AND PISTONS SETS:

SIZE	FILL VOLUME		FILL VOLUME	
	IN OUNCES		IN ML	
	<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>
A. 3/8+	.06	.30	1.7	8.8
B. 1/2+	.1	.54	2.9	15
C. 3/4+	.24	1.2	7	35
D. 1"	.43	2.1	12	62
E. 1.5"	1	4.9	30	144
F. 2"	2	8.7	60	257

NOTE: The above listed minimum fill volumes were obtained from a calculation using a 1" stroke.