

# 5S Series Precision Servo Driven Check Valve Dispensing Pumps

The Precision Servo Motor Controlled Pumps combine proven dispensing technology with leading-edge servo motor controls. 5SCV Pumps are best suited for applications that require from 100 ml to 1 litre per shot of medium viscosity liquids (without solids). For over 30 years CV pumps have proven to provide the best reliability and accuracy in some of the most demanding dispensing applications.



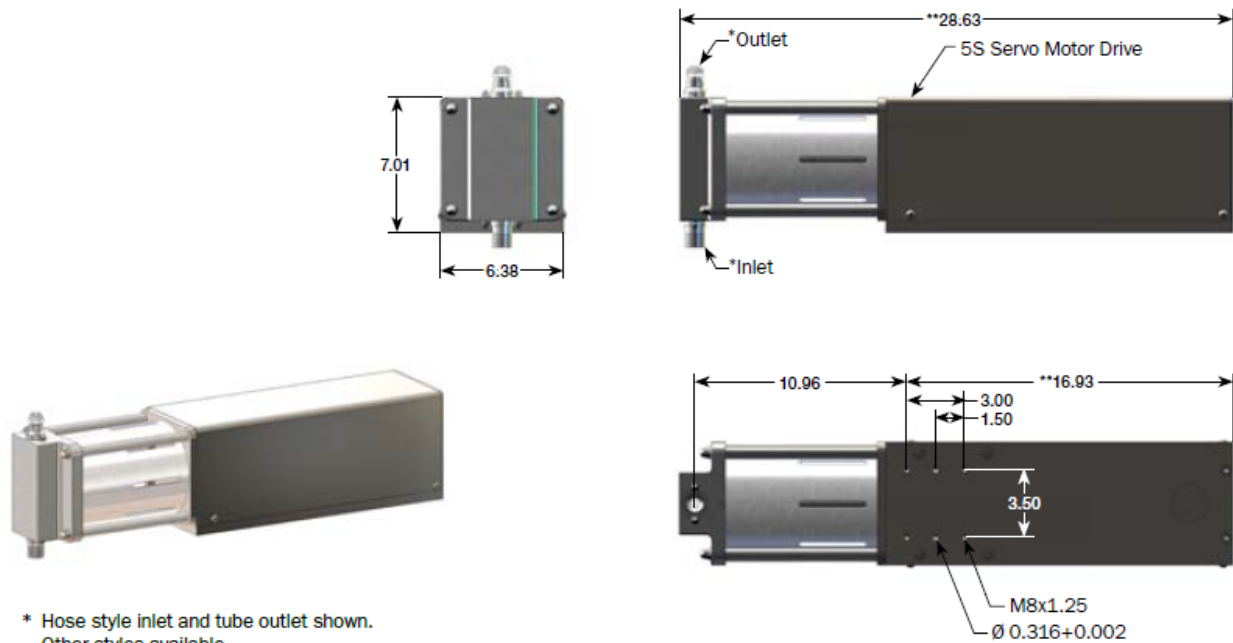
## Servo Drive Features:

- \* **Accuracy**  
*Dispensing accuracies of up to  $\pm 0.1$  % or better.*
- \* **Control**  
*Precise control of the dispense profile provides optimal cut-off at the nozzle while maximizing the cycle rate.*
- \* **Versatility**  
*Via a RS232 connection the user can quickly download recipes, including parameters such as acceleration, fill volume and fill speed.*
- \* **Compact**  
*The motor, resolver and drive controller are one integral unit mounted on the back of the pump.*
- \* **Simplicity**  
*Requires only power and a start signal to perform a complete dispense cycle.*

## Rotor Valve Pump Features:

- \* *Integral ceramic rotary valve.*
- \* *Stainless Steel pump head.*
- \* *Dispense viscosities up to 10,000 cps.*
- \* *Self-contained, adaptable to most filling equipment.*
- \* *Low maintenance design, long service life.*
- \* *Simple disassembly for cleaning.*

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\* Hose style inlet and tube outlet shown.  
Other styles available.  
\*\* Dependent on servo motor model.

Model	Plunger diameter		Stroke		Maximum dispensing Volume (cc)	Cycle Speed (cpm)	Voltage VdC	Weight lbs (kg)
	inch	(mm)	Inch	(mm)				
5S3-C-100	1 5/8	(41.28)	3.00	(76.2)	102	0-30 <sup>A</sup>	48	63 (28.6)
5S3-C-250	2 3/4	(69.85)			292			
5S3-C-500	3 3/4	(95.25)			543			
5S3-C-1000	5 1/8	(130.18)			1014			

<sup>A</sup> Maximum cycle rate is application dependent

Applications			
Cosmetics	Food	Pharmaceutical	General
<ul style="list-style-type: none"> <li>* Perfume</li> <li>* Creams</li> <li>* Lotions</li> <li>* Shampoos</li> <li>* Oils</li> <li>* Mouthwash</li> <li>* Nail Lacquer</li> <li>* Moisturizer</li> <li>* Skin Cleanser</li> <li>* Make-up Remover</li> </ul>	<ul style="list-style-type: none"> <li>* Ketchup</li> <li>* Vinegar</li> <li>* Honey</li> <li>* Butter</li> <li>* Coffee</li> <li>* Cream</li> <li>* Jelly</li> <li>* Sauces</li> <li>* Juices</li> <li>* Puddings</li> </ul>	<ul style="list-style-type: none"> <li>* Medicine</li> <li>* Culture Media</li> <li>* Biologicals</li> <li>* Antibiotics</li> <li>* Cough Syrup</li> </ul>	<ul style="list-style-type: none"> <li>* Acids</li> <li>* Alkalines</li> <li>* Reagents</li> <li>* Inks</li> <li>* Paints</li> <li>* Glues / Adhesives</li> <li>* Battery Electrolyte</li> <li>* Lighter Fluids</li> <li>* Oils</li> <li>* Solvents</li> </ul>