

5S Series Precision Servo Driven Rotary Valve Dispensing Pumps

The Precision Servo Motor Controlled Pumps combine proven dispensing technology with leading-edge servo motor controls. For applications that require 100 ml to 1 litre per shot of higher viscosity liquids, the Systems Rotary Valve Pumps are the best choice. RV pumps include an integral ceramic rotary valve for dispensing high viscosity materials with proven reliability and accuracy for over 30 years.



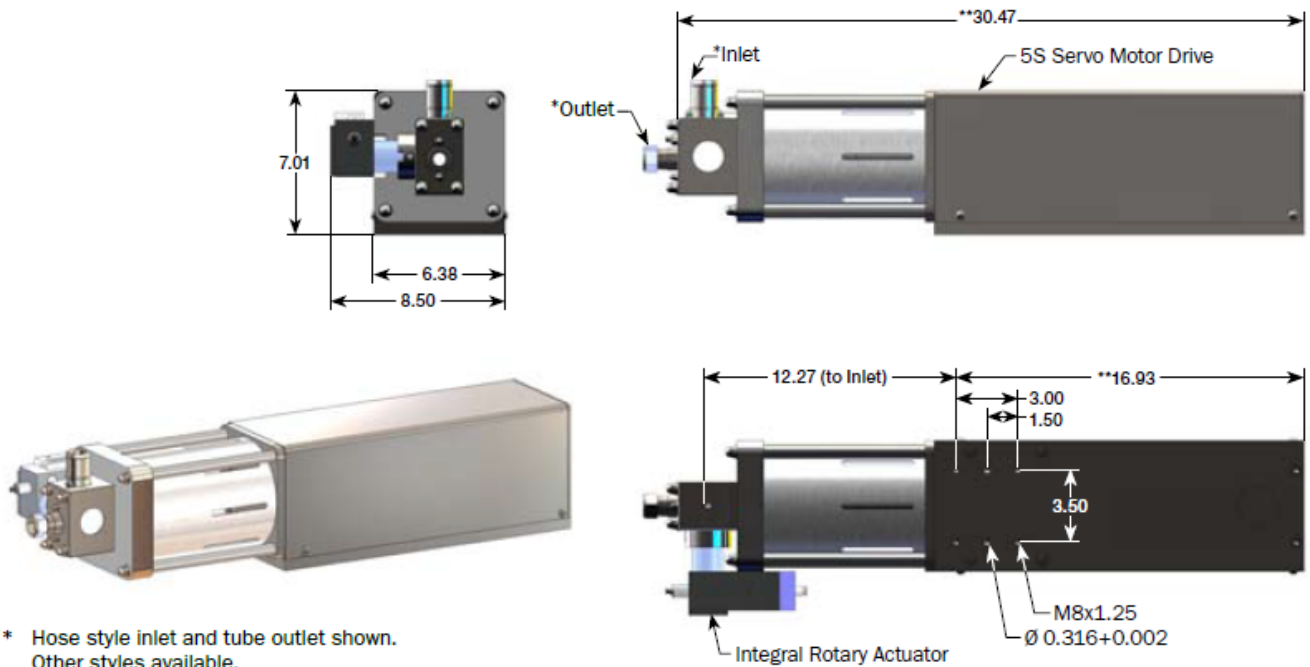
Servo Drive Features:

- * **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 from 100 to 50,000 cps. and above.*
- * *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-R-100 | 1 5/8 | (41.28) | 3.00 | (76.2) | 102 | 0-30 ^A | 48 | 73 (33.1) |
| 5S3-R-250 | 2 3/4 | (69.85) | | | 292 | | | |
| 5S3-R-500 | 3 3/4 | (95.25) | | | 543 | | | |
| 5S3-R-1000 | 5 1/8 | (130.18) | | | 1014 | | | |

^A Maximum cycle rate is application dependent

Applications

| Cosmetics | Food | Pharmaceutical | General |
|--|---|--|--|
| <ul style="list-style-type: none"> * Mascara * Exfoliant * Lipstick * Creams * Lotions * Shampoos * Antiperspirant * Lip Gloss * Nail Lacquer * Foundation | <ul style="list-style-type: none"> * Salad Dressing * Popcorn Oil * Ketchup/Mustard * Marmalade * Sauces * Juices * Honey * Butter * Margarine * Relish | <ul style="list-style-type: none"> * Medicine * Cough Syrup * Antibiotic * Blood Serum * Biological | <ul style="list-style-type: none"> * Toothpaste * Caulking * Glues/Adhesives * Grease/Oils * Zinc Gel * Abrasive.Kitchen/Bathroom Cleaner * Paints/Inks * Tooth Whitener * Fluxes |