

No Tool Changeover. Simple 15 minute setup.

MEMORY  
**RECALL**

**RUN. REPEAT.**



## VSR-F100 Servo Volumetric Filler

Fills by  
 Volume



15 minute  
 changeover



Sanitary  
 Pump



Thick, Thin, and  
 Foamy Liquids



No Tools  
 Needed



Memory  
 Save/Recall



### Base Features / Specifications:

- Standard with (1) Filling Nozzle. Upgradeable to (2) Filling Nozzles.
- Servo Diving Nozzle Bar. Rise rate is automatically coordinated to Product Pump rotation.
- Independent Servo controlled product pump.
- Fills products up to a standard 1 gallon container.
- 15 minute changeover with "quick-change" product pumps.
- Primarily stainless steel and aluminum construction.
- Fully automatic controls.
- 8" Color HMI.
- Stainless steel tubular frame.
- 6' stainless steel Conveyor with variable speed drive motor.
- Bottle Indexers with stainless steel and aluminum construction.
- 96 Memory Locations.
- Filler configuration is left-to-right



▲Positive shut-off nozzles prevent drips

### Product Pump Features:

- Full Stainless Steel Lobe Pump.
- Standard 1.5" Tri-clamp connections.
- Pump meters product based on values entered on the HMI.
- Servo Motor operation allows for product acceleration and deceleration.
- Standard pump supplies up to 4 GPM depending on product.
- Standard pump has o-ring seals. Mechanical seals are available.

### Upgrades:

- Additional Filling Nozzles
- Hopper with Float
- Mechanical Seals
- CIP Pump
- High Flow Pump
- Electro-polished surfaces

### Nozzle Features:

- Internal Positive Shut-off Nozzle prevents product drips.
- Fully constructed of stainless steel.
- Pneumatic Isolator Block prevents product contamination.
- Standard Nozzle size is Ø9/16". Available in Ø3/8", Ø9/16", and Ø3/4".

### Power Requirements:

208 – 240 VAC 1-Phase / 15A  
 90 PSI Input Pneumatic Pressure

# Common Questions

## **Benefits of the VSR-F100 Filling machine:**

- Fills thick, thin, and foamy products. The product pump can handle products such as oil, shampoo, water, soap, gels, conditioner, and salsa.
- Automatic controls results in quick and easy setup of the machine.
- Quick changeover to different products.
- Accurately dispense volumes within +/-0.5% of volume.

## **How many Filling Nozzles can be installed on the VSR-F100?**

- This machine can accommodate up to 2 filling nozzles.

## **How is the machine construction different from others?**

- The VSR-F100 is primarily constructed from stainless steel and aluminum components. This allows the VSR-F100 to be used in a wide range of applications. The design has been successfully used with everything from shampoo to pharmaceutical products.
- The VSR-F100 meets all safety requirements and is enclosed in a stainless steel safety shroud.
- The product pump contact parts are stainless steel.

## **How is this machine operation different from others?**

- The nozzle bar and product pump are controlled by industrial servo motors. This means that the product rise rate will be automatically coordinated to the metered product. Since the filling nozzle will accurately “follow” the product there is minimal splashing and foaming. This results in a clean fill and a faster fill cycle.
- The acceleration and deceleration of the product pump can be independently adjusted to prevent splashing of products or filling into the neck of a container.
- Each product pump is independently controlled.
- The lobe pump design is gentle on the product being filled. At high speeds shearing is reduced, which is a great benefit for sensitive products such as conditioner. Even chunky products such as salsa can be filled.
- Product parameters can be saved and recalled. Once programmed, the user can simply recall any program and make a few minor mechanical adjustments to complete a changeover.
- The Quick Changeover System (QCS) allows a “non-clean” product pump to be replaced by a “pre-cleaned” product pump. The “non-clean” product pump can be cleaned in a separate cleaning station.

## **How is the VSR-F100 Nozzle construction different?**

- The nozzle is fully constructed of stainless steel. This ensures compatibility with most products.
- The VSR-F100 nozzle features an internal pneumatically controlled positive shut off. The design has been tested in a wide range of applications and prevents drips from occurring.
- The nozzle has been designed with an “isolation block” which separates the product from the pneumatic supply. This prevents any type of contamination.
- 1.5" Tri-clamps are standard which makes nozzle installation and removal easy.
- Electro-polishing and passivation of the nozzle is available for applications that require it.