

InLine Volumetric Pump Filling System - Foods



Pacific 5-Station Volumetric Pump Filling Machine for 64 and 128-ounce Sauces at 25 Gallons per Minute

The Pacific InLine Volumetric Pump Filling Machine provides excellent flexibility for a wide range of food product, container sizes and product viscosities. The machine is designed specifically for food-grade environments and utilizes sanitary and hygienic design concepts throughout the filling machine.

The filling system utilizes sanitary positive displacement pumps to allow for individual fill station control and offers fill accuracy rates of $\pm \frac{1}{2} \%$ or better.

Our patented flow divider technology, perfected on our rotary filling systems over the past 50 years, reduces cleaning time, maintenance, as well as the initial capital investment cost by allowing the control of two filling nozzles with one positive displacement pump.

Products can range from thin-to-viscous, hot-to-cold, and with/without particulates to meet a wide variety of food and beverage products. The design accommodates any size or style container without the need for change parts. Both top and bottom-up fill options are available with a wide selection of drip-free, laminar-flow nozzle designs.

Container handling features include dual-gate indexing, nozzle centering bells and a photoeye thru-beam "flag" system for no-container/no-fill performance. Applications with small container sizes may require an infeed timing screw for proper nozzle space indexing.

Models are available in one to twelve station configurations with production rates up to 90 containers per minute.

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Pacific 4/2-Station Volumetric Pump Filling Machine for Single and Two-Phase Salad Dressing Products

Machines are furnished standard in all stainless steel (304) square tubular frame construction with sanitary conveyor designs and hygienic design standoffs.

The volumetric positive displacement pumps are available in a variety of models and sizes and are customized for the user application and production rates.

The fill volume is determined by specifying the pump rate via the Allen Bradley PanelView 1000+ color touch screen. The PLC interfaces this container volume information with individual servomotors that each accurately controls the pump speed. Our patented flow dividing technology divides the product feed via the pump into two equal streams. Each stream is fed to an individual nozzle. The 2:1 ratio of nozzles to pumps eliminates maintenance, reduces cleaning time, yet still provides accurate filling at reduced cost.

An optional vacuum drip collection system can be utilized to maintain a clean and drip-free operation.

During cleanout, an optional clean-in-place catch tray system can be set in position to capture and drain cleaning solutions.

For higher speed applications, Pacific's Rotary Filling Machines offer production capabilities up to 600 containers per minute with minimal changeover time.