



# INLINE VOLUMETRIC PUMP FILLING MACHINE



## **Flexibility & Operating Efficiency**

- One pump for every nozzle provides individual station adjustment
- Accuracy of +/- 0.333% to 0.750% or better
- Supports light to viscous products with minimal change over
- 1 to 12 station models for speeds up to 75 CPM
- Accommodates wide range of container sizes and volumes with minimal change over



**Pacific 6-Station Volumetric Pump Filling Machine and 128-ounce containers at 20 Gallons per Minute**

The Pacific InLine Volumetric Pump Filling Machine provides excellent flexibility for a wide range of product applications, container sizes and product viscosities.

The machine is designed for demanding environments and utilizes sanitary and wash-down design concepts throughout the filling machine.

The filling system utilizes positive displacement pumps to allow for individual fill station control and offers fill accuracy rates of +/- 0.333% to 0.750%.

Products can range from thin-to-viscous, hot-to-cold, and with/without particulates to meet a wide variety of food, beverage, personal care, home care, automotive and chemical applications. 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 photo-eye 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 speeds up to 75 containers per minute.
- 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 Panel View 1000+ color touch screen. The PLC interfaces this container volume information with individual servomotors that each accurately controls the pump speed.

For some applications, 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.