



## InLine Flow Meter Filling Systems

The Pacific Packaging Machinery Flow Meter Filling Systems combine 45+ years of filling expertise with the latest in precise, extremely accurate, flow metering technology. This proven filling system provides optimal fill accuracy, capacity and cleanability with a zero maintenance fill measuring device and is ideal for expensive products where product loss is costly given the guaranteed fill accuracy rates of  $\pm 1/4\%$  or better.

Products can range from thin to semi-viscous and hot-to-cold to meet a wide variety of food, beverage, personal care, home care, automotive and chemical applications. With a wide range of flow meters the customized filling system can accommodate applications from 4-ounce containers to 5-gallon pails.

Both top and bottom-up fill options are available with a wide selection of drip-free, laminar-flow nozzle designs. Standard container handling features include a centering bell alignment system to ensure the container is correctly positioned before the start of fill, and a photoeye thru-beam "flag" system for no-container/no-fill performance.

Models are available in two to ten filling station configurations which provide an operating range of 8 to 80 containers per minute. Machines are furnished standard in all stainless steel tubular frame construction with sanitary conveyor designs, internal nozzle vacuum arrangement for zero drip operation, Allen Bradley PLC and HMI controls, and 304 or 316 stainless steel wetted parts.

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**Pacific Model SL-3404-2 arranged for 5-gallon jugs at 8 containers per minute**

The filling system utilizes Coriolis mass flow meters that consistently and accurately calculate the weight on both conductive and non-conduction products. The flow meter measures the product at exact, repeatable specifications. The measure for each fill station is passed to the PLC. When the PLC determines that an exact dose has been met, it sends a signal to close a pneumatic actuated fill valve. It is the fill valve and the flow meters built in “automatic overshoot compensation” sampling technology that controls the final dosing accuracy.

#### Standard Features

- All stainless steel construction
- 304 stainless steel wetted parts
- Self-draining CIP fill system
- No-bottle / no-fill
- Top or bottom-up fill nozzles
- Filling nozzles with positive shutoff
- Zero-drip nozzle arrangement
- Manual filling height adjustment
- Washdown conveyor drive system
- Allen Bradley PLC & HMI

#### Optional Features

- 316L stainless steel wetted parts
- Sanitary design standoffs
- OSHA-compliant safety enclosure
- Product supply pump and tank
- Bypass valves and controls
- Right to left orientation
- Additional conveyor length
- Stainless steel gearmotors
- Explosion proof electronics
- UL electrical panel certification

