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DTM Packaging PUREFIL 1500, Automatic Inline Flow Meter Filling Machine

DTM
Packaging & Custom Automation
Machinery & Engineering Services

The DTM Packaging Purefil In-line Flow Meter Filler incorporates a sanitary design of the entire product path within the filler eliminating all points subject to potential contamination.

The flow meters supplied on DTM Packaging fillers guarantee very accurate measuring and do not require any special maintenance. The dosing operations are controlled by a dedicated PLC. When the preset fill value has been reached, the PLC initiates the closing of the associated filling valve and then reports the statistical values to the fill control system. The product enters the meter from the filler supply tank and exits the meter while at the same time the mass or volume is measured. DTM Packaging pneumatic actuated fill valves control the final dosing. The product is discharged through the nozzle and then into the waiting container. The product path from the main supply entry point into the filler through the discharge of the fill valves has been designed to meet sanitary design requirements to facilitate CIP.



Features:

- Speed to 150/minute depending on size and product.
- Mass or Magnetic flow meters and control system with Allen Bradley PLC and HMI.
- Average Fill volume accuracy to +/- 0.25% standard deviation.
- Clean design for quick product changes and no tools quick size changes.
- Indexing bottle control with adjustable entry and exit bottle gating cylinders.
- 316L stainless steel product contact parts.
- 316 Stainless tank for the reception of products to be filled, includes level control.
- 304 Stainless steel heavy duty stainless steel welded frame.
- All product contact parts are stainless steel, Teflon, Viton and sanitary design.
- Special seals or hoses by order.
- Safety interlocked lexan guards.
- Bottom up or top fill capability with vertical motion for nozzle carrier bar controlled by servo.
- Flush in place tray for quick FIP process.
- Servo control for fast container height changeovers.
- Nozzle spacing fully adjustable with hand knobs and Vernier scales.
- No container no fill safety and container neck guide control.
- Air filter-regulator and safety lockout valve included.
- No change parts needed for various types of containers, will work with plastic or glass containers.
- PLC Controlled pneumatic driven stainless steel drip tray, includes flow controls for speed controls. and tube for hose connection to recollect dripped product.
- Back up photo eye.
- Modem in electrical panel for remote maintenance and trouble shooting.

