



IPF – INLINE PISTON FILLER

The Cozzoli Inline Piston Filler (IPF) is ideally suited to fill a diverse range of liquid products such as food & beverage, cosmetics, personal care products and chemicals. The IPF is ruggedly designed, yet precision built for long trouble-free operation.

This volumetric piston filler will fill product viscosity ranges from 1 to 100,000 centipoise, with accuracies of $\pm .05\%$ of fill volume with proper nozzle and cylinder sizing. Models are available with 2, 4 or 6 spouts depending on speed requirements. Speed outputs up to 60 containers per minute can be achieved.

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FILLING PRINCIPLE

The fill nozzles are attached to a fully automatic, air-operated raising/lowering spout bar. The rate of the bar movement is controlled by flow-control valves. This feature pneumatically lowers the nozzles to determined positions, then the nozzles and product valves open. The pistons dispense the required volume of product through the valves and nozzles. The nozzles and product valve close, and the spout bar and pistons return to the "home" position.



VERTICAL PISTON DESIGN

The advantage of using a vertical piston design is that the IPF has a smaller footprint, taking up less floor space. Product changeover and clean up are easily accomplished - the product valves, cylinders and pistons are located just inside the rear guard door, allowing the operator easy access.

IPF FRAME SIZING

IPF STANDARD FRAME

Suggested for fill volumes between .37 to 69.8 fluid ounces. Using the multiple-stroke option, larger fill volumes are attainable.

IPF GALLON FRAME

Suggested for fill volumes between 19.8 and 157 fluid ounces. Also available on this model is the multi-stroke feature for larger fill volumes. This model incorporates larger product valves and cylinders to accommodate the large fill volumes.

STANDARD FEATURES

- Vertical Piston Design
- Individual Piston Adjustment
- 316 Stainless Steel Contact Parts
- PVC Product Tubing
- Starwheel Container Indexing
- Stainless Steel Top Cover
- 10' Long Conveyor
- NEMA 4 Watertight Utilities
- 25 Gallon Reservoir
- No-Container No-Fill
- Features a DC Brushless Servo Motor
- Air-Operated Spout Bar
- Set of Fill Nozzles
- Operator Interface
- Safety Guarding

OPTIONAL FEATURES

- Stainless Steel Frame
- Sanitary Conveyor
- Product Level Control
- Right to Left Machine Direction
- Reservoir Agitator
- NEMA 7 Explosion Proof Utilities
- Pneumatic Centering Assembly
- Bottom-Up Filling
- Jacketed Reservoir
- Spare Parts Kit