COZZOLI®
MACHINE COMPANY

F329HE – SYRINGE FILLER

The F329HE is a high performance filler for moderate production output in a batch filling operation. This filler provides production rates of one tub of Hypak syringes in as little as 35 seconds – depending on format, fill volume and liquid flow characteristics.

Syringes enter the machine in preloaded tubs or other holding device with a consistent pattern. A cradle provides support during the fill sequence. Once activated, the F329 will index the tub, pausing at each index to allow a fill to occur. During each pause, the fill nozzles descend into the syringes to perform bottom-up filling. Once the fill needles have retracted, the cradle will index to the next row. Upon fill sequence completion, the cradle will index forward within easy reach of the operator for removal.

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Precision manufactured fill nozzles prevent product dripping.

FEATURES

- 10 Stainless Steel Syringes
- Fine Adjustment Volume Control
- 10 Filling Nozzles
- Right and Left Hand Valve Assembly
- Bottom up Elevating Cam
- Electrical Assembly
- Schematics
- 115V, 60Hz, 1Ph Electricals
- Allen Bradley PLC
- Variable Speed DC Motor
- Operation and Maintenance Manual

OPTIONS

- Additional Nozzle Carriers and Nozzles
- Additional Valve Blocks or Plugs
- Additional Fill Pumps for Larger Fill Volumes
- Electronic Fill Volume Adjustment
- Stainless Steel Cart with Non-Skid Casters
- Upgraded Valve Blocks for Viscous Products
- Class 1, Division 1 Explosions Proof Utilities
- Nitrogen Flush
- Spare Parts Kit
- IQ/OQ Validation Protocol
- Factory Acceptance Test Protocol
- Performance Qualification Protocol

OPERATING PRINCIPLE

Cozzoli positive displacement piston pumps and slide valves provide fill accuracies of +\-.5% of fill volume, depending on fill volume and product, and may be disassembled for autoclaving. All product-contact parts are constructed of 316L stainless steel for sanitary production and are free of seals and O-rings to eliminate potential sources of product contamination. When filling viscous products, the F329 is provided with enlarged intake ports, clean out ports and air bleed valves.

MACHINE PROGRAMMING AND OPERATION

The cradle index is stepper motor driven, and can be pre-programmed for various syringe formats such as 10 x 10, 8 x 8, 6 x 7, and 5 x 6. The programmable Allen Bradley PLC program allows for easy selection of fill patterns.