AMT™ Servo Peristaltic Liquid Filling Machine

AMT™ Liquid Filling Machines are Stainless-Steel crafted for Clean Room productions.

The AMT™ Servo Peristaltic Dispensers utilize EqualFlow™ - innovative digital compensation (US Patent Number 6,393,338) allowing unmatched fill precision at higher flow rates. Long-term tubing wear is also digitally compensated.

Better than 0.5% fill precision is achievable. Volume calibration is immediate from the touch screen and can be performed without stopping production. AMT™ servo pumps have programmable speed and acceleration for optimum performance. Reversible flow and jogging are provided for system purging and priming. The pumps are suitable for CIP (Cleaning In Place). Tubing and bottom up nozzles are the only fluid contact parts. They can be disposable or disassembled in a few minutes for sterilization and reassembled with reduced risk for contamination. The machine can be equipped with a conveyor or it can operate from the customer's conveyor.

From 1 up to 40 nozzles are servo-programmable for top and bottom positions, acceleration, and speed to assure minimal product foaming and splashing. Precision nozzle to nozzle adjustment system is provided. Drip-less operation is obtained via the suck back system.

One feed screw for bottle indexing can work with a wide range of bottle sizes. Feed Screws are equipped with quick disconnects for changeover to a new range of bottle sizes. Sensors for bottle tracking are incorporated. Feed screws have servo-programmable acceleration for optimum performance. Alternative simplified bottle escapement system with bottle counters is also available.

Inline Filler is programmable via multi-axis servo system for different products. Parameters and functions are recorded in the computer under preprogrammed production profiles. A desired product profile number is called with a touch of the screen for new production or editing. Nozzles top and bottom positions, fill volumes, calibration, speeds, accelerations and timing are programmed for optimal production.

Optional equipment and customized machines are available to meet special filling requirements such as special container indexing, gas flushing, etc. To see a video of various AMT™ models in production, please visit our website: www.AMTLiquidFilling.com

Servo precision sterile peristaltic liquid dispensing
Servo programmable nozzles
Instant sevo changeover to one of 100 programs
Fill precision: 0.5% typical
Fill volumes from 0.1mL to 1L
10 to 350 bottles per minute production speeds
Instant computer calibration
Suck back system
Reversible flow
Stainless-steel construction
Crafted for lasting performance
Low maintenance
AMT™ Servo Peristaltic Liquid Filling Machine

Dimensions

Width=1220 mm, Depth=460 mm, Height=1575 mm, Weight: 700 Newtons

Power: 110V/60Hz/10A

As part of our policy of continuous product development we reserve the right to alter specifications without notice.

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