



AI-generated conceptual image; final configuration is project-specific.

FOUR-HEAD AUTOMATIC LIQUID FILLING SYSTEM

Automatic 4 Head Servo Gear Pump Liquid Filling Machine

The Automatic 4 Head Servo Gear Pump Liquid Filling Machine handles approved 500 mL-5 L HDPE containers and is equipped with four filling nozzles, four SS316 gear pumps and four independently driven Delta servo motors.

Machinery supply within India only. Technical review, delivery and support are coordinated from Ahmedabad.

Operating Principle and Selection Basis

The left-to-right conveyor carries approved containers through a four-stage automatic filling cycle. Approved HDPE containers enter on the 150 mm wide conveyor. The machine positions containers below the four filling nozzles; no-container/no-fill logic prevents an empty cycle. Four Delta servo motors drive the four SS316 gear pumps for the programmed fill. Filled containers leave the filling station on the left-to-right conveyor for the next line operation.

Project basis: Final specifications are governed by the approved quotation, machine datasheet, GA drawing and project URS. Published references and configuration/order qualifiers are retained. Illustrated equipment is not a guarantee of the supplied configuration.

Published Technical Specifications

Source: the product page included in this release. Published references are selection aids; the approved quotation and machine datasheet govern the supplied configuration.

Core Technical and Commercial Data

PARAMETER	PUBLISHED / PROJECT DATA
Model / Series	Configuration-specific. Automatic four-head servo gear-pump configuration; the order-specific model code is stated in the approved quotation.
Output / Throughput	Published reference. Up to 24 bottles per minute, depending on fill volume and liquid characteristics.
Accuracy / Acceptance Criterion	Published reference. $\pm 1\%$, subject to the approved liquid and operating conditions.
Electrical Power	Published reference. 440 V AC, three-phase, 50 Hz; approximately 4 kW connected load.
Utilities	Published reference. Compressed air: 8 CFM at 6 bar; product-supply and cleaning requirements are confirmed for the approved liquid.
Overall Dimensions (L x W x H)	Published reference. Approximately 3648 x 800 x 2000 mm (L x W x H).
Net / Shipping Weight	Published reference. Approximately 300 kg net / 500 kg gross.
Capacity / Format Range	Published reference. 500 mL-5 L fill range with four filling heads, subject to the approved product and container.
Warranty	Order-specific. Duration, commencement date, covered parts, exclusions and claim terms are stated in the approved quotation or order.
Installation / Commissioning Scope	Published reference. Site installation by H M Pharma Machines and pre-dispatch training included; buyer pays engineer travel, lodging, boarding, food and local transportation.