



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

#### AUTOMATIC LIQUID DOSING & FILLING SYSTEM

# Automatic Volumetric Liquid Filling Machine

For approved bottles or jars with thin, semi-viscous or viscous products, with automatic conveyor feed and container positioning.

Suitable for: Approved bottles or jars with thin, semi-viscous or viscous products

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

## Operating Principle and Selection Basis

A calibrated piston or metering chamber draws a defined volume and discharges it through the filling nozzle into an indexed container.

Control System: Volume setting, synchronized heads and configurable anti-drip or diving-nozzle control

Optional Scope: Metering chamber, valves, nozzles, number of heads and cleaning arrangement are selected for the product.

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.

## Machine, Process and Integration Data

| PARAMETER                   | PUBLISHED / PROJECT DATA                                                                                                                  |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable For</b>         | Approved bottles or jars with thin, semi-viscous or viscous products                                                                      |
| <b>Working Principle</b>    | A calibrated piston or metering chamber draws a defined volume and discharges it through the filling nozzle into an indexed container.    |
| <b>Infeed / Handling</b>    | Automatic conveyor feed and container positioning                                                                                         |
| <b>Outfeed / Transfer</b>   | Filled containers release to the next line operation                                                                                      |
| <b>Machine Construction</b> | GMP-oriented stainless-steel construction as defined in the approved scope                                                                |
| <b>Contact Materials</b>    | Product-contact materials, seals, tubing, valves and surface finish are matched to the product and cleaning method in the approved scope. |
| <b>Control System</b>       | Volume setting, synchronized heads and configurable anti-drip or diving-nozzle control                                                    |
| <b>Changeover</b>           | Settings, guides and format parts matched to approved samples or drawings                                                                 |
| <b>Optional Scope</b>       | Metering chamber, valves, nozzles, number of heads and cleaning arrangement are selected for the product.                                 |
| <b>Line Integration</b>     | Standalone supply or integration with approved upstream and downstream machines                                                           |

## Core Technical and Commercial Data

| PARAMETER                                 | PUBLISHED / PROJECT DATA                                                                                                                                                                                                |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model / Series</b>                     | Configuration-specific. The model code is assigned in the approved quotation after the product, pack, process and automation scope are fixed.                                                                           |
| <b>Output / Throughput</b>                | Published reference. 24 bottles per minute, depending on fill volume.                                                                                                                                                   |
| <b>Accuracy / Acceptance Criterion</b>    | Published reference. $\pm 1\%$ filling accuracy.                                                                                                                                                                        |
| <b>Electrical Power</b>                   | Published reference. 230 V, single-phase, 50 Hz.                                                                                                                                                                        |
| <b>Utilities</b>                          | Published reference. Pneumatic bottle-stopper system stated in the quoted configuration.                                                                                                                                |
| <b>Overall Dimensions (L x W x H)</b>     | Published reference. 1200 x 800 x 2000 mm (L x W x H); conveyor height adjustable from 800 to 900 mm.                                                                                                                   |
| <b>Net / Shipping Weight</b>              | Published reference. Approximately 300 kg net / 500 kg gross.                                                                                                                                                           |
| <b>Capacity / Format Range</b>            | Published reference. 10-1000 mL with change parts; included 100-250 mL syringe set; bottles 22-80 mm diameter and 55-200 mm height.                                                                                     |
| <b>Warranty</b>                           | Published reference. Manufacturing defects in stainless-steel components are covered; normal wear-and-tear parts, consumables and electrical components are excluded. The quotation does not state a warranty duration. |
| <b>Installation / Commissioning Scope</b> | Published reference. Pre-dispatch operational and maintenance training plus installation at buyer works; buyer arranges food and local transportation for the H M Pharma Machines engineer.                             |