

Automatic Volumetric Liquid Filling Machine

FILLING MACHINES

VOLUMETRIC

4 / 6 / 8 HEAD

POPULAR



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

60-120 / min

FILL VOLUME RANGE

5 ml - 1 L

VOLUMETRIC ACCURACY

+/- 0.5%

CONTACT METALLURGY

SS 316

CORE PRINCIPLE & AUTOMATION DESIGN:

SS slat conveyor, diving-nozzle system and indexing mechanism for continuous inline filling with high accuracy.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

The Automatic Volumetric Liquid Filling Machine is enclosed in a compact, versatile stainless-steel cabinet with an elegant matt finish. It is used to fill a variety of free-flowing liquids into containers with precise accuracy on a continuous conveyor line. A synchronised mechanical movement between the SS slat conveyor and the bottle-indexing mechanism ensures smooth running, while the diving-nozzle system fills bottom-up to eliminate foaming and dripping. Interchangeable SS syringes make volume changes quick.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Output Rate	60 to 120 bottles / min (depending on fill)
Dosing Range	5 ml up to 1000 ml
Volumetric Accuracy	+/- 0.5% repeatable
Nozzle Stations	4, 6 or 8 Head inline configurations
Contact Material	Stainless Steel 316 with food/pharma grade
Conveyor System	Stainless Steel SS 304 slat chain with adj
Power Requirement	3 Phase 415 V AC, 50 Hz, 1.5 kW

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Inline pneumatic star-wheel or pneumatic cylinder bottle stop indexing
- + Precision bored & honed SS 316 volumetric syringes with Teflon piston rings
- + Programmable diving nozzle stroke for bottom-up foaming control
- + No Container - No Fill photoelectric interlock sensing system

Tested Products & Viscosities:

- Pharmaceutical cough syrups, suspensions & elixirs
- Hair oils, herbal tonics, serums & hand sanitizers
- Fruit cordials, juices, vinegar & flavor extracts
- Agrochemical pesticides, fertilizers & liquid biocides

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics / Toiletry | Food & Beverage

Tested Formulations: Pharmaceutical cough syrups, suspensions & elixirs, Hair oils, herbal tonics, serums & hand sanitizers, Fruit cordials, juices, vinegar & flavor extracts, Agrochemical pesticides, fertilizers & liquid biocides

FACTORY ACCEPTANCE TESTING (FAT) & CGMP VALIDATION PROTOCOL

Manufactured under Schedule M and cGMP guidelines with sanitary mirror-polish SS 316 / SS 316L contact metallurgy. Clients and procurement engineers are welcome to our Wagle Estate, Thane factory for pre-dispatch Factory Acceptance Testing (FAT) with actual product containers and fluids. Full IQ/OQ qualification documentation and turnkey on-site SAT commissioning supported across India.

MANUFACTURING PLANT (THANE, MUMBAI):

Filltech Packaging Machines (Formerly BVS Pharma)
115, New Modella Industrial Estate, Padwal Nagar,
Wagle Industrial Estate, Thane 400604, Maharashtra, India

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Engineering Portal: <https://filltech.in>

FACTORY ACCEPTANCE & VERIFICATIONS:

Pre-Dispatch FAT: Container Trials at Thane Works
Verified Supplier: IndiaMART | TradeIndia | ExportersIndia
Machinery Trial Videos: [@FillingMachinesIndia](#)