

Semi-Automatic Volumetric Liquid Filler

FILLING MACHINES

VOLUMETRIC

1-2 HEAD

BEST SELLER



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

20-40 / min

FILL VOLUME RANGE

5 ml - 1 L

VOLUMETRIC ACCURACY

+/- 0.5%

CONTACT METALLURGY

SS 304 / SS 316

CORE PRINCIPLE & AUTOMATION DESIGN:

Compact stainless-steel cabinet, volumetric syringe principle. Ideal entry machine for small-to-mid batches.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

The Semi-Automatic Volumetric Liquid Filler is built on a heavy-duty stainless-steel frame with high precision ground syringes. Equipped with pneumatic foot-switch or automatic cycling, it delivers repeatable dosage for liquids of varying viscosity from 5ml up to 1000ml with negligible drip.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Output Speed	20 to 40 containers per minute
Dosing Range	5 ml to 1000 ml (via interchangeable syrin
Volumetric Accuracy	+/- 0.5% (product viscosity dependent)
Contact Metallurgy	Stainless Steel 316 / 304 with PTFE / Vito
Filling Head Count	Single Head or Twin Head configuration
Power Supply	230V AC, 50 Hz, Single Phase
Pneumatic Requirement	6 bar dry compressed air @ 2 CFM

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Volumetric positive-displacement syringe dosing
- + Instant stroke adjustment with graduated volume scale
- + Bottom-up diving nozzle mechanism to eliminate foaming
- + Pneumatically operated positive cut-off shutoff nozzles

Tested Products & Viscosities:

- Syrups, suspension & oral drops
- Lotions, shampoos & sanitizers
- Edible oils, aromatic oils & lubricants
- Vinegar, sauces & liquid flavorings

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry | Oil | Food & Be

Tested Formulations: Syrups, suspension & oral drops, Lotions, shampoos & sanitizers, Edible oils, aromatic oils & lubricants, Vinegar, sauces & liquid flavorings

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

DIRECT SALES & B2B QUOTATIONS:

Direct Phone: +91 99875 18783 / +91 93225 06603
Official Email: info@filltech.in / sales@filltech.in
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