

Servo Single-Head Liquid Filler

FILLING MACHINES

VOLUMETRIC

1 HEAD

FLEXIBLE



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

15-30 / min

FILL VOLUME RANGE

1 ml - 5 L

VOLUMETRIC ACCURACY

+/- 0.25%

CONTACT METALLURGY

SS 316

CORE PRINCIPLE & AUTOMATION DESIGN:

Servo-driven flow control for fast changeovers across a wide volume range on a compact footprint.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

State-of-the-art precision filling powered by an industrial digital servo motor drive. Enables rapid digital volume input on the touchscreen with zero mechanical screw adjustments. Accommodates single drops up to 5-litre cans with extreme repeatability and programmable acceleration / deceleration filling profiles.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Dispense Range	1 ml to 5000 ml via graduated scale handwh
Volumetric Error	+/- 0.25% (high precision class)
Drive Technology	Precision positive-displacement syringe dr
Control Panel	Electromechanical push-button station with
Power Input	220V AC, Single Phase 50/60 Hz

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Digital recipe storage: store 50+ product fill profiles on HMI
- + Brushless servo motor drive with high resolution encoder feedback
- + Programmable multi-speed fill curve (prevents splash at fill start & finish)
- + Zero mechanical tool requirements for volume adjustment

Tested Products & Viscosities:

- Contract packaging lines requiring daily product changeovers
- High value pharmaceutical chemicals & active ingredients
- Fragrances, color concentrates & essential extracts
- Specialty paints, stains & chemical testing vials

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry | Agro Chemical |

Tested Formulations: Contract packaging lines requiring daily product changeovers, High value pharmaceutical chemicals & active ingredients, Fragrances, color concentrates & essential extracts, Specialty paints, stains & chemical testing vials

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:

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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