

Peristaltic Liquid Filling Machine

FILLING MACHINES

PERISTALTIC

2 / 4 / 8 HEAD

STERILE



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

40-80 / min

FILL VOLUME RANGE

0.5 ml - 250 ml

VOLUMETRIC ACCURACY

+/- 0.5%

CONTACT METALLURGY

Medical Grade Silicone Tubing

CORE PRINCIPLE & AUTOMATION DESIGN:

Tube-based, contact-free fill path for sterile, WFI and small-dose pharma applications. Easy CIP/SIP.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

For sterile injectables, ophthalmic drops and high-value biological reagents, the Peristaltic Liquid Filling Machine guarantees zero contamination risk. Liquid contacts only medical-grade platinum-cured silicone tubing, entirely bypassing internal valves, pistons or dynamic seals.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Dosing Range	0.5 ml to 250 ml
Filling Precision	+/- 0.5% (micro-dosing accuracy)
Pump Units	Precision multi-roller peristaltic rotor h
Tubing Type	USP Class VI Platinum-cured Silicone
Control Interface	Electromechanical panel with speed regulat
Sterilization	Full line CIP / SIP & Autoclavable fluid p

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + True zero cross-contamination: liquid only touches single-use/autoclavable tubing
- + Precision micro-step stepper / servo pump motor heads
- + Instant changeover: simply replace tubing run without washing pumps
- + Calibrated individual pump head calibration via touchscreen UI

Tested Products & Viscosities:

- Eye drops, ear drops & nasal sprays
- Sterile injectable vials & ampoules
- Diagnostic test reagents & clinical fluids
- High-potency essential oils & perfumes

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry

Tested Formulations: Eye drops, ear drops & nasal sprays, Sterile injectable vials & ampoules, Diagnostic test reagents & clinical fluids, High-potency essential oils & perfumes

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