

Stirrer

PROCESSING MACHINES

MECHANICAL AGITATION

DIRECT COUPLED DRIVE

VERSATILE



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

50 L to 2000 L Tank Volume

FILL VOLUME RANGE

Variable Propeller Sizes

VOLUMETRIC ACCURACY

Homogeneous Solution Blending

CONTACT METALLURGY

SS 304 / SS 316

CORE PRINCIPLE & AUTOMATION DESIGN:

Direct-coupled electric motor with stainless steel shaft and propeller/turbine agitator. Mounted on height-adjustable stand with angular tilting bracket for open or closed vessels.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

The unit consists of an SS shaft and propeller directly coupled to the drive motor. Supplied with an adjustable height MS / SS stand and provided with an angular tilting arrangement for the motor mounting bracket to ensure uniform liquid vortex and mixing.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Motor Power	0.5 HP to 3.0 HP, 1440 RPM
Shaft Length	Custom to tank depth (600 mm to 1500 mm)
Impeller Type	3-Blade Marine Propeller / Turbine
Stand Construction	MS powder coated or SS 304

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Direct-coupled electric drive with minimal vibration
- + Precision-machined SS shaft with balanced marine propeller or turbine
- + Height adjustable stand with angular tilt bracket
- + Easy relocation between multiple vessels in the processing bay

Tested Products & Viscosities:

- Liquid syrup formulation & sugar dissolving
- Cosmetic toners, liquid soaps & shampoos
- Edible oil blending & flavoring
- Chemical liquid solution preparation

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry | Oil | Paint | F

Tested Formulations: Liquid syrup formulation & sugar dissolving, Cosmetic toners, liquid soaps & shampoos, Edible oil blending & flavoring, Chemical liquid solution preparation

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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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](https://www.youtube.com/channel/UCFillingMachinesIndia)