

Storage Tank / Process Vessel

PROCESSING MACHINES

SANITARY FABRICATION

PROCESS VESSEL

GMP TANK



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

50 Litres to 5000 Litres

FILL VOLUME RANGE

Custom Height & Diameter

VOLUMETRIC ACCURACY

Zero Dead-Leg Drain

CONTACT METALLURGY

SS 304 / SS 316 (16 to 10 SWG)

CORE PRINCIPLE & AUTOMATION DESIGN:

Sanitary stainless steel storage vessel in 16 to 10 SWG sheet metal with top lid and bottom drain cock. Argon arc welded with mirror/matt finish inside and outside, with optional jacket.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

Fabricated from 16 to 10 SWG stainless steel as per requirement, provided with top lid, bottom drain cock, and optional castor wheels. The tank is argon arc welded with mirror or matt finish on both inside and outside to meet cGMP standards.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Volume Capacity	50 Litres to 5000 Litres
Sheet Metal Gauge	16 SWG to 10 SWG Stainless Steel
Internal Finish	Mirror Polish (Ra < 0.4 um)
Discharge Connection	Tri-Clamp Butterfly / Ball Valve

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Argon arc welded construction ground smooth to sanitary standards
- + Mirror polished interior surface prevents microbial adhesion
- + Conical or dished bottom with tri-clamp sanitary drain cock
- + Removable split-lid cover with handles and product inlet port

Tested Products & Viscosities:

- Intermediate bulk storage of liquid syrups and oral drops
- Cosmetic lotions, creams, and perfume aging tanks
- Sanitary header supply tank feeding automated filling lines
- Edible oil and lubricant bulk storage

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry | Oil | Food & Be

Tested Formulations: Intermediate bulk storage of liquid syrups and oral drops, Cosmetic lotions, creams, and perfume aging tanks, Sanitary header supply tank feeding automated filling lines, Edible oil and lubricant bulk storage

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