

Filter Press cum Transfer Pump

PROCESSING MACHINES

SPARKLER HORIZONTAL PLATE FILTER 8 TO 18 PLATE STACK

SANITARY



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

500 to 5000 Liters/hour

FILL VOLUME RANGE

8" to 18" Plate Diameter

VOLUMETRIC ACCURACY

Sub-micron clarity filtration

CONTACT METALLURGY

SS 316 / Food grade seals

CORE PRINCIPLE & AUTOMATION DESIGN:

Stainless steel closed tank with set of SS filter plates, perforated screens and filter pads. Fitted with SS gear pump or centrifugal pump on mobile trolley with bypass safety valve.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

The unit consists of a strong stainless steel tank with top cover, SS handle, pressure gauge, and tightening bolt. The set of SS filter plates with perforated screen, filter pads, and interlocking cups are fitted in the center. Fitted with SS gear pump or centrifugal pump, mounted on SS trolley with castor wheels and bypass safety valve.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Filtration Capacity	500 to 5000 Litres per hour
Plate Diameter	8", 14", or 18" stack
Operating Pressure	Up to 3.5 bar
Contact Metal	SS 316 mirror finished

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Complete cake retention on horizontal plates without slurry collapse
- + Zero dead volume with scavenge plate arrangement
- + Fitted with SS gear pump or centrifugal transfer pump
- + Bypass valve for safe line transfer and pressure relief

Tested Products & Viscosities:

- Syrup clarity polishing & carbon filtration
- Edible oil clarification and wax removal
- Cosmetic perfume & lotion clarification
- Herbal extracts & Ayurvedic liquid formulations

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Oil | Cosmetics / Toiletry | Food & Be

Tested Formulations: Syrup clarity polishing & carbon filtration, Edible oil clarification and wax removal, Cosmetic perfume & lotion clarification, Herbal extracts & Ayurvedic liquid formulations

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)
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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