



Make Drying Simple  
SINCE - 1982

# VITAL MACHINERY CORPORATION

Manufacturer & Exporter of GMP Model Tray Dryer, Vacuum Tray Dryer,  
GMP Pharma Equipment and Clean Room Furniture



**PUNCTUALITY**

**REALIBILITY**

**QUALITY**

**COMMITMENT**

Unit 1 : Plot No. 4796, Near Lyka Lab, G.I.D.C. Estate, Ankleshwar-393 002.

Unit 2 : Plot No. 7509, Near Karmatur Chowkdi, G.I.D.C. Estate, Ankleshwar-393 002.

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## A large industrial stainless steel autoclave with its door open, revealing multiple trays inside. A vertical pipe with a pump is attached to the side.

- ◆ Hot Water system (Steam Heated / Electrical Heated) with MS / SS 304 Tank (Insulated) with water circulation pump & FLP Motor with Control panel.
- ◆ Vacuum Pump (2 Stage oil ring) with FLP Motor.
- ◆ **LAB MODEL ELECTRICAL HEATED VACUUM OVEN ALSO AVAILABLE**

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## TRAY DRYER

### TECHNICAL SPECIFICATION OF TRAY DRYER

#### CONSTRUCTION :

The Dryer is of robust construction built on formed angles of 3 mm thick and suitably reinforced with angles and sections. The dryers external walls are manufactured from 1.6 mm thick Stainless Steel sheets of 304 quality. The internal of the dryer is built of 1.6 mm thick SS 316 quality sheets. The internal structure is fully argon welded and all the internals have ground smooth surfaces. It is insulated with minimum 65 mm thick glasswool insulation and Cladded with S. S. Polished sheets. The dryer is having a fresh air inlet through 05 Micron PP cloth filters and a adjustable air outlet flap and a door at the front. The door is explosion Proof and is locked with the help of spring loaded ball latches with suitable pressure. Door lips are having silicon food grade rubber - Gasket to prevent leakage.



#### FINISHING :

The design and manufacture of the dryer is of high standard of CGMP and has an aesthetic look. It is buffed externally to 180 grit matt finish and internally buffed to 240 grit mirror finish.

#### AIR CIRCULATION :

Air inside the dryer is circulated by SS-316 axial flow fan and fan fitted with belt drive operated shaft V Belt & pulley arrangement. The Special design of the axial Fan ensures uniform air, circulation so that there is uniform air current over the entire charge loaded in the Trolley inside the dryer. The working of the motor is indicated by lamps in the control panel.

#### TRAYS :

Trays will be manufactured form 1.2 mm SS 316 sheets. Its dimension are 16" X 32" X 1 ¼". The Trays have rounded corners with 240 grit mirror finish inside and outside.

#### RACKS AND TROLLEYS

Racks are provided for trays inside the Dryer. They are fixed type for 12 and 24 Trays Models. For 48 and 96, 192 Trays Models, Racks are provided with wheels to side them in and out of the Dryer. An additional SS trolley for Racks for outside movement can be provided on request.

### OPTIONALS :

- ◆ ELECTRICAL HEATED TRAY DRYER ALSO AVAILABLE
- ◆ 2 DRUM & 4 DRUM CAPACITY DRUM MELTER ALSO AVAILABLE
- ◆ BURNING PACK OVEN ALSO AVAILABLE FOR MULTI FILAMENT PLANT (FOR TEXTILE INDUSTRY)

### AVAILABLE MODEL OF TRAY DRYER

MODEL	TD-12	TD-24	TD-48	TD-96	TD-192
Loading Capacity	12 Trays	24 Trays	48 Trays	96 Trays	192Trays
External Dimension in mm	L D H 1500X550X1250	L D H 1500X950X950	L D H 2000X1050X1900	L D H 3200X1050X1900	L D H 3200X1950X1900
No. of Doors	One	One	One	Two	Two
No. of AXIAL FAN	One	Two	One	Two	Four
No. of Motors / H.P. 3 PHASE 415 VOLTS	1/0.5 H. P. 3 phase 415 Volts	1/1 H. P. 3 phase 415 Volts	1/1 H. P. 3 phase 415 Volts	2/1 H. P. 3 phase 415 Volts	2/2 H. P. 3 phase 415 Volts
Steam Heater No. of Coils	2	2	2	3	3
Steam Consumption	25 LBS / Hr.	45 LBS / Hr.	60 LBS / Hr.	80 LBS / Hr.	110 LBS / Hr.
Insulation in mm	65	65	65	65	65
No. of Trolleys	FIX Rack Type	FIX Rack Type	One	Two	Four
Tray Size	16" X 32" X 1 ¼"	16" X 32" X 1 ¼"	16" X 32" X 1 ¼"	16" X 32" X 1 ¼"	16" X 32" X 1 ¼"
Trolley Dimension	Fixed Racks	Fixed Racks	1500X875X820	1500X875X820	1500X875X820



## MULTI MILL

### TECHNICAL SPECIFICATION OF MULTI MILL

- ◆ cGMP point of view machine is provided with SS cladding on base, pillar, machine chamber, SS cover on motor. No exposed painted surface on top of the machine.
- ◆ Beaters and shaft are made of stainless steel 316 quality and beaters are further hardened & beaters are fitted on a shaft.
- ◆ Direction of beaters can be changed by reversible switch.
- ◆ Beaters assembly is swing type, dynamically balanced which reduces vibration and noise level and increases bearing life.
- ◆ 12 Nos. Beaters are of knife and impact edges & 2 Nos. beaters are of scraper blades types.
- ◆ All contact parts are made of SS 316 quality and can be easily & quickly dismantled cleaned.
- ◆ Cylindrical screen for higher output.
- ◆ Flame proof electrical components can be provided at extra cost.



MODEL	BELT DRIVE / DIRECT DRIVE
Out Put	50 kgs to 200 kgs / Hour
Rotor Assembly Dia	250 (Approx)
Rotor Speed	720 / 1150 / 1800 / 2800 rpm
Beaters	12 No. of blades with knife & impact edges and 2 No. of scraper blades.
Screen Dimensions	260 mm Dia HT - 135 MM
Motor	3.0 H.P. 1440 RPM, 440 V 50 Hz, 3 Phase
Starter	"DOL" with reversible switch / VFD provide in Direct drive model
Material Charging Height	1500 mm (Aprox.)
Overall Dimensions (mm)	850 X 875 X 1680 MM (H)
Net Weight	275 KGS (Approx.)

- ◆ 5 HP MOTOR MODEL ALSO AVAILABLE
- ◆ MINI MULTI MILL ALSO AVAILABLE FOR PILOT PLANT

### TECHNICAL SPECIFICATION OF VIBRO SIFTER

- ◆ High Capacity & optimum use of space.
- ◆ Process adaptability.
- ◆ Low operating and maintenance cost.
- ◆ Long screen life.
- ◆ Easy for assembly & dis assembly for cleaning & change over of screens.
- ◆ Springs amplify the vibrations leading to reduced motor HP, maintenance & operational cost.
- ◆ Compact unit for easy operations.
- ◆ Available in two, three & four deck also.

MODEL	12" / 24" / 30" / 36" / 48"
Driver Motor	0.5 / 0.5 / 1 / 1 / 2 HP
Screen Diameter	300 / 600 / 750 / 1200 mm (Aprox.)
All contact parts are made out of SS 316 quality material (SS 304 Optional)	
D.O.I. Starter Provided with the unit	
Out Put	24" : up to 30 to 50 Kgs. / Hr.
	30" : up to 50 to 200 Kgs. / Hr.
	36" : up to 80 to 300 Kgs. / Hr.
	48" : up to 100 to 400 Kgs. / Hr.

## VIBRO SIFTER



- ◆ SS 316 MAGNETIC SEPARATOR ALSO AVAILABLE FOR MULTI MILL & VIBRO SIFTER

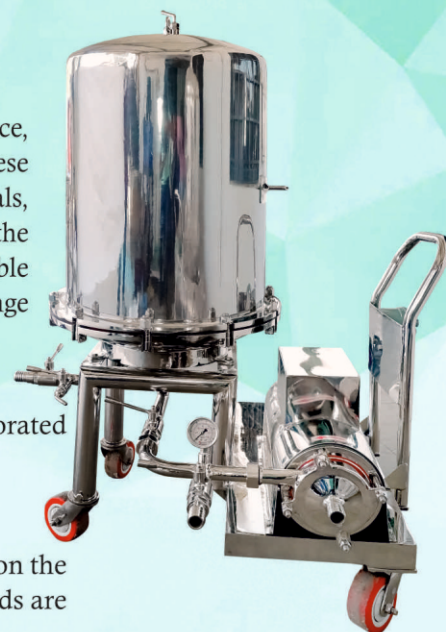


## SPARKLER FILTER

### TECHNICAL SPECIFICATION OF SPARKLER FILTER

Our Zero Hold Up Sparkler Filter Machine are high in performance, low in maintenance, dimensionally accurate and offer excellent quality and durability. Owing to such unique features., these are appreciated all across the globe for its extensive use for crystal clear filtration of Pharmaceuticals, chemicals, resins, beverages, distillery oil, ink and other industry. These are high in demand in the domestic market, as the raw material used in production of these machines is procured from reliable and authorized companies and go through stringent quality checks so as to ensure that the entire range is of superior quality with maximum functionality.

- ◆ Zero Hold up vertical closed Sparkler Filter solves all major separation problems.
- ◆ The plate pack assembly consists of plates with interlocking cups, plate rings and perforated screen sand filter media
- ◆ Interlocking cups are arranged one above another, forming a single pipeline.
- ◆ The unfiltered liquid is fed centrally under pressure from the bottom inlet.
- ◆ The impurities and solids remain on the filter media as the filtrate flows through the gaps on the supporting rings and collects in the shell which is then led out through a pipeline. The solids are evenly distributed on each plate.
- ◆ At the end of the cycle, the cake can be dried to the maximum extent by applying air or insert gas.



### AVAILABLE MODEL FOR SPARKLER FILTER

MODEL	DIA OF PLATES	NO. OF PLATES	FILTERING AREA M3	CAKE HOLDING CAP. (LTRS.)	FLOW RATE/HRS.	MOTOR
VMC ZH-8	8"	6	0.217	4.9	600	1/2" / 1 HP
	----	8	0.279	6.3	800	---
VMC ZH-14	14"	8	0.819	24.75	1500	1"/2 HP
	—	10	1.001	30.25	1700	—
	—	12	1.183	37.75	1900	---
VMC ZH-18	18"	10	1.65	55	4000	1 1/2" / 3 HP
	—	12	1.95	65	4600	—
	—	15	2.40	80	5500	—
	—	24	3.75	125	8200	---
VMC ZH-24	24"	15	4.192	144	7000	2" / 5 HP
	—	18	5.035	171	8500	---
	—	24	6.625	225	12500	—



DOME FILTER



PRESSURE FILTER



NUTSCHE FILTER



## CLEAN ROOM FURNITURE & ACCESSORIES



Platform Trolley



S. S. Stool



S. S. Bucket



Scoop



Dustbin Paddle Operated



Weight Box Trolley



Canteen Table



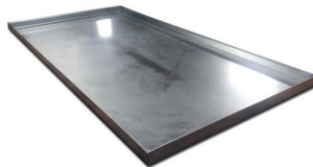
SOP Stand



Spatula



Ladder with Railing



Dryer Tray



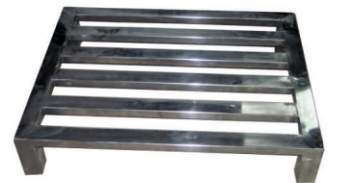
Powder Sampler



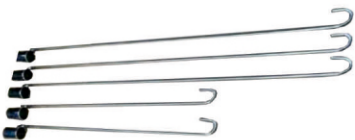
Cross Over Bench



Mopping Trolley



S. S. Pallet



Liquid Sampler



S. S. Locker



S. S. Scraper



- ◆ Manufacturing Unit is located in Industrial Heart of Gujarat in GIDC Estate, Ankleshwar.
- ◆ Latest Machinery for Manufacturing of Pharmaceuticals Equipments & S. S. Furniture Items.
- ◆ Sufficient Skilled work force.
- ◆ Manufacturing facility running in full swing.

We introduce ourselves as one of the leading manufacturer and suppliers of Equipments & S. S. Clean Room Furniture used in Pharma, Chemical, Food & Allied Industries.

We supply to various Equipments to Pharmaceutical, Chemical and Food Industries all over India & abroad since the past many years. We are enclosing here with our products, catalogue showing complete range of our products for your ready reference.

We are request you to go through the same and let us know your specific requirements enable us to send our offer. If require we can depute our Technical person for any further clarification.

We look forward to being of service to you soon and would be happy to call on your for a personal discussion at your conveniences.

Thanking you and assuring you of our prompt service at all times.

## OUR FACTORY LAYOUT



Our Sister concern Unit with the Name of

**VIJAY ENTERPRISE**

Plot No. 4915, B/h. Paras Industries, GIDC, Ankleshwar-393 002.

E-mail : [vijayenterprises.ank@gmail.com](mailto:vijayenterprises.ank@gmail.com) ◆ Web site : [www.vijaydryers.com](http://www.vijaydryers.com)

Mobile : +91 98241 10906, 98251 15369



## Our Valuable Client's List



Ami Life Sciences Pvt. Ltd.



ADITYA BIRLA GROUP



AMI ORGANICS LIMITED



Apothecon  
Pharmaceuticals Pvt. Ltd.



BAJAJ  
BAJAJ HEALTHCARE LIMITED



The Care Continues...



CHEMINOVA



COLOURING LIVES



A new way for a new world



Gujarat Insecticides Limited



GHARDA  
CHEMICALS LIMITED



INTAS PHARMACEUTICALS



LUPIN

NEW ZEALAND  
HEALTH MANUFACTURING



ColoursGlobal



SUN  
PHARMA



torrent  
PHARMA



UPL  
OpenAg™



& Many more.....



### UNIT - 1

#### M/s. Vital Machinery Corporation

Plot No. 4796, Near Lyka Lab,  
GIDC Indl. Estate,  
Ankleshwar-393 002.

### UNIT - 2

#### M/s. Vital Machinery Corporation

Plot No. 7509, Near Karmatur Chowkdi,  
GIDC Indl. Estate, Ankleshwar  
Dist. : Bharuch, Gujarat-393 002.

### SISTER CONCERN

#### M/s. Vijay Enterprise

Plot No. 4915, Behind Paras Ind.,  
GIDC Indl. Estate, Ankleshwar  
Dist. : Bharuch, Gujarat-393 002.