



VARIYA PHARMA SOLUTIONS

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Granulation

Colloid Mill



TECHNICAL SPECIFICATIONS		
Model	VERTICAL	HORIZONTAL
Output (Ltr/Hr)	120 to 1200	120 to 1200
Hopper Capacity (Ltr)	15	15
Motor	3 HP/2850 RPM/440V/3 Phase/AC Supply	
Motor Coupling	Direct Drive	Belt Drive
Height (mm)	1200	1200
Net Weight (Kg)	130	150
Gross Weight (Kg)	220	240

- SALIENT FEATURES:
- S. S. Cladding on C.I. body in both Vertical and Horizontal type machines
- All contact parts are made from S.S. 304 or S.S. 316 as optional feature
- Internally Conical Stator having two different tooth stages
- Toothed Conical Rotor directly coupled with the motor shaft in Vertical model and engaged with Belt in horizontal model
- Perfectly engaging & specially designed Conical shaped stator & Rotor Assembly gives Grinding accuracy of 5 – 10 micron
- Three-way cock system for draining and recirculation of liquids

Vibro Shifter



- SALIENT FEATURES:
- S. S. Cladding on C.I. body in both Vertical and Horizontal type machines
- All contact parts are made from S.S. 304 or S.S. 316 as optional feature
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TECHNICAL SPECIFICATIONS

Model	VPS-20"	VPS-30"
Screen Dia. (mm)	500	760
Capacity/Hour	20-100 Kg	30-300 Kg
Charging Height (mm)	750	750
Discharging Height (mm)	550	550
Motor	0.5 HP/1440 RPM/415 V	1 HP/1440 RPM/415 V

Multi Mill



- SALIENT FEATURES
- S.S. cladding on base, pillar, machine chamber, S.S. cover on motor. No exposed painted surface
- Shaft and Beaters are made of SS 304 grade steel
- Beaters are further Hardened and Hard chrome plated
- Vibration and Noise level is reduced by specially designed and Dynamically balanced Swing type Beaters assembly
- All contact parts are of SS 304 quality and can be easily & quickly dismantled and cleaned
- Flameproof electrical components can be provided at extra cost

TECHNICAL SPECIFICATIONS

MODEL	SPECIFICATION
Output	50-200 Kg/hr (Depending upon material & grain size required)
Rotor Assembly Dia. (mm)	250 (Approx)
Rotor speed (RPM)	750/1500/2300/3000
Beaters	12 Nos. with Knife & Impact edges and 2 Nos. Scraper Blades
Screen Dimension (mm)	260 (Dia.) X 135 (H)
Motor	3 HP /1440 RPM/440 V/ 50 Hz / 3 PH /AC.
Starter	"Dol" with Reversible switch
Material charging Height (mm)	1445 (Approx.)
Overall Dimension	870(L) X 965 (W) X 1630 (H)
Net Weight (Kg)	275 (Approx.)
Gross Weight (Kg)	425 (Approx.)

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Coating Machine



SALIENT FEATURES:

- The Machine is consists of robust S.S. square pipes and base plate of MS with S.S. cladding
- Coating pan is made of S.S. 304 and S.S. 316 as Optional feature
- Electric motor & Gear box are coupled directly
- Coating pan is mounted directly on Gear box shaft, having mounting angle of 30°
- Coating pan is specially designed to give quality to coating of tablets
- Baffles are provided in coating pan to achieve uniform tablet finish
- Separate polishing pan also can be provided

Model	VPS-30"	VPS-36"	VPS-42"	VPS-48"
Size	30"	36"	42"	48"
Volumetric Capacity (Liter)	45	75	125	185
Speed of Pan (RPM)	15-31	15-31	15-31	15-31
Main Motor (HP)	2.0/3 PH	2.0/3 PH	2.0/3 PH	2.0/3 PH
Blower Motor (HP)/2800 RPM	1.0/3 PH	1.0/3 PH	1.0/3 PH	1.0/3 PH
Blower Capacity (CFM)	0.33	0.33	0.33	0.33
Heater Capacity (KW)	1.5	1.5	1.5	3

Mass Mixer



SALIENT FEATURES

- Well designed to facilitate Thorough Mixing of material
- Safety Transparent Poly-Carbonate Dust cover provided with inter locking system
- Safety device stop the machine with just opening of cover
- Tilting device is provided for ease in unloading by means of Hand wheel
- Specially designed self-adjusting sealing arrangement to ensure no black particles enter into the mixing drum.

Model	MM-50	MM-100	MM-200
Capacity (Kg)	50	100	200
Overflow capacity (Liter)	110	220	440
Working capacity (Liter)	88	156	309
Speed of Stirrer (RPM)	35	35	30
Motor	3 HP/440V/50 CS	5 HP/440V/50 CS	7.5 HP/440V/50 CS
Net Weight (Kg)	350	450	600

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Fluid Bed Dryer



- SALIENT FEATURES:
- External surfaces of the dryer, all non-contact/sight parts and all contact parts built from S.S. 304
- Second unit called Expansion chamber made from S.S. 304/316 and it contains Filter Finger Bags
- Retarding Chamber made of S.S. 304 is locked with expansion chamber by means of Clamps
- Base is specially designed to give extra strength and vortex effect
- Bowl is made in conical shape manufactured from S.S.304
- Container trolley is built from S.S.304 tubular pipe
- having polypropylene castor wheel to carry material
- Container is lifted up by pneumatic cylinder system with uniform lifting throughout periphery of container and also prevents leakage of material during operation
- Electro Pneumatic Control Panel:
- Inlet & Exhaust air temperature controller
- Process air Damper regulation
- Material bowl lifting & lowering valve
- Compressed air pressure gauges

Model	FBD 30	FBD 60	FBD 120	FBD 200
Capacity Of Dryer (Kg)	30-50	50-70	120-150	200-220
Capacity Of Container (Liter)	50	100	200	600
Blower Motor (HP)	5	10	15	20
Heater Load	18 (KW)	36(KW)	60(KW)	----
Heating Capacity In (KCl/Hr)	11620	23200	38600	77500



Granulation

RAPID MIXER GRANULATOR



FEATURES IN BRIEF

- The main impeller have speed 750/1500 synchronous dual HP motor, connected through a belt drive to worm reduction gear box with chain coupling
- Main impeller provides mixing of material at center and bottom of bowl.
- Bowl and Beaters are made of SS 304 designed in 3 sections i.e. Flat bottom, cylindrical middle portion and conical top
- The Chopper Blade have Dual speed 1500/3000 RPM synchronous speed motor & has 4 blades S.S. Impeller
- Mounting Platform made of robust M.S. channel frame, S.S. staircase and railings and All sides are covered with S.S. covers
- The Control panel contains controls for discharge opening/closing, Auto/manual controls, Actuators for ON / OFF, slow/fast, Ammeter / voltmeter for both motors, Air regulator & Pressure gauge & air filter, Timer & Indicator lights.
- Pneumatic system is used for Operating the discharge valve(opening& closing)

Model	Working Volume		Gear Box	Main Motor RPM	Chopper Motor RPM	Discharge
	Liter	Kg.	Ratio	HP (750/1500)	HP (1500/3000)	Ht
RMG 25	25	5 - 7.5	4"	3/5	1.5/2	600
RMG 50	50	25	4"	3/5	1.5/2	600
RMG100	80	40	7.5:1	7.5/10	2/3	700
RMG150	120	60	7.5:1	10/15	3/5	780
RMG 250	200	100	10:1	22.5/30	3/5	1055
RMG 300	240	120	10:1	22.7/30	3/5	1200

Granulation

OCTAGONAL BLENDER



- SALIENT FEATURES
- General structure made out of M.S. & colored in Standard Model
- GMP Model made out of S.S. 304 and S.S. 316(optional) & polished to the matt finish
- Manual rotating facility with hand wheel for inching
- The Octagonal shape & slow speed gives sufficient continuous movement to the granules hence results in good quality
- Suitable for dry mixing of products in granule form
- Easy for Loading, Unloading and cleaning of material
- Flame proof drive motor along with flame proof starter as optional feature
- Cylindrical container with cone for material charging

Model	OB-100	OB-250	OB-400	OB-500	OB-650
Capacity(kg)	100	250	400	500	650
Capacity (Lit)	300	750	1200	1500	2000
Gross volume	375	875	1300	1700	2200
Motor (HP)	1.5	3	5	5	7.5
Gear box	35	22	40	50	50
Discharge valve	150	200	250	250	300
L X W X H (mm)	2160x1530 x2590	2300x1860 x2850	2810x2280 x3055	2850x2530 x3120	2800x2810 x3460

Granulation Line



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