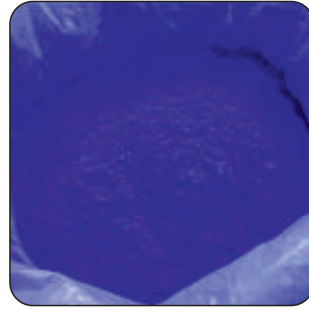
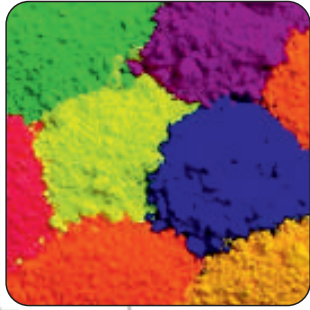


ROTARY VACUUM PADDLE DRYER



- ▶ **CHEMICAL DRYER**
- ▶ **PESTICIDES DRYER**
- ▶ **MINERALS DRYER**
- ▶ **HERBAL DRYER**
- ▶ **DYES AND PIGMENTS DRYER**
- ▶ **AGRO CHEMICAL DRYER**
- ▶ **PHARMACEUTICAL DRYER**

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GEO DRY TECH

Rotary Vacuum Paddle Dryer

Comprising of horizontal cylindrical shell with suitable ends, slow speed paddle agitator is designed for mixing, drying, discharging the products. This is used for making dry powder from wet cakes or slurries, in batch type operation often under vacuum. Product is heated from outside through shell ends and from inside through shaft– paddles, by means of steam or hot oil. Product filter, condenser, receiver and vacuum system are part of drying operation. Optional mechanical chopper cum deagglomerator can be provided for breaking lumps formed while drying.

- Externally heated through jacket/limpet coils
- Internally heated Agitator shaft for maximum heat transfer area
- Dries and conveys for discharge
- Efficient rotary joint to inject heating media into agitator and remove condensate
- Pre piped with heating medium inlet to dryer and condensate out to headers
- Quick opening manual discharge valve and charging door for minimum manual handling
- Chain sprocket drive through speed reducers and motor
- Direct drive through speed reducer and motor
- Control panel totally prewired for ease of performance taking into account safety factors



GEO DRY TECH

For scheduling pilot plant trial of your product please write us to
✉ geodrytech@gmail.com, info@geodrytech.com

GEO DRY TECH Pilot Plant – Rotary Vacuum Paddle Dryer

The Pilot Plant at GEO DRY TECH enables semi-commercial production in quantities to a few kilograms (minimum 40 Kgs). The pilot facilities are computer monitored and under superiors observations, thus providing reliable engineering data on new processes for scale-up to production level. The production may be based on process development at GEO DRY TECH according to the customer's request and specification or on process data supplied by the customer and verified on a small scale at GEO DRY TECH. In both cases the operation is carried out in full coordination with the customer.

The Pilot Plant Apparatus Facility available

Rotary Vacuum Paddle Dryer pilot plant ranging in size from 40 Kgs to 100 Kgs
Stainless Steel Equipment .

Utilities: Steam (200°C), Hot Water (90°C), Thermic Fluid Oil (200°C),
liquid nitrogen cooling unit (-60°C), vacuum (720 mm of Hg) .



ROTARY VACUUM PADDLE DRYER (PILOT PLANT VIEW)

GEO DRY TECH

TECHNICAL SPECIFICATION:

MODEL	NEWRVPD 500	NEWRVPD 750	NEWRVPD 1000	NEWRVPD 1500	NEWRVPD 2000	NEWRVPD 3000	NEWRVPD 4000	NEWRVPD 5000
Total Volume in Ltrs	500	750	1000	1500	2000	3000	4000	5000
Working Volume in Ltrs	300	450	600	900	1200	1800	2400	3000
Capacity in Kg (max)	175	250	350	500	700	1000	1350	1700
Shell Dia mm	650	725	800	900	1000	1100	1250	1250
Shell Lenth mm	1500	2000	2000	2350	2600	3200	3300	3500
RPM of Paddle	14	12	10	10	8	8	8	8
Heat transfer area in m2	4	5	7.5	9	10	14	17	20
Dust Filter Area m2	0.25	0.35	0.5	0.75	1	1.25	1.5	1.75
Condenser in m2	1.5	2	2.5	3	3.5	4	4	4
Receiver in Ltrs	75	100	150	200	250	250	250	250
Charging Ht in mm	1650	1750	1900	2200	2300	2400	2600	2800
Discharging Ht in mm	650	650	750	750	750	750	750	750
Charging Size in mm	Φ100	Φ100	Φ125	Φ125	Φ150	Φ500	Φ200	Φ200
Discharging Size in mm	Φ150	Φ175	Φ200	Φ200	Φ250	Φ250	Φ300	Φ300
Gear Box	4"	4"	5"	5"	6"	7"	8"	10"
Main drive motor	5HP	5HP	7.5HP	7.5HP	10	15	20	25

Design Temp: 200°C, Testing: Vacuum side Full vacuum upto 750 mm of Hg & Steam/Hot water jacket side 5 Kgs/cm2pressure test.

Length in mm	2900	3350	3750	4350	4750	5250	5500	5750
Width in mm	950	1050	1125	1200	1325	1500	1625	1700
Height in mm	2200	2500	2850	3000	3250	3700	3800	4000
Weight in Kg (Aprox)	800	1000	1250	1500	1900	2500	3000	3500



Office Address : Office No. 05, Ground Floor, Shree Balaji Krupa, Plot No. 28, Sector 22, Kamothe, Navi Mumbai - 410209. Maharashtra, India

Enquiry : + 91 8591 674 947 | + 91 8104 283 693

Technical Support : + 91 9823 410 735

Factory Address : Survey No 48/2, Village Durshet, Khopoli - Pali Road, Khalapur, Raigad - 410203. Maharashtra, India

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