



PharmaChem Cosmetics Industries

WE MANUFACTURERS MACHINERY & EQUIPMENTS FOR PHARMACEUTICAL, BIO PHARMA, BULK DRUG, FORMULATION, API, AYURVEDIC, HERBAL, FOOD, COSMETIC, CHEMICAL & BEVERAGES INDUSTRIES.

9 B / 14, RAM NAGAR, PREMSAMBANDH CHS, NEAR ASHOK NAGAR ROAD, BHANDUP - EAST, MUMBAI 400 042

SALES : +91 836 952 4009

WEB : www.PharmaceuticalMachineMumbai.com

GST : 27ARUPP3866G1Z1

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AUTO COATER

AUTO COATER has been designed to carry out uniform coating with the least intervention by the operator. It is free standing, totally enclosed unit within built WIP system. The side and front doors are provided for easy cleaning and maintenance. The unique perforated coating pan designed with highly efficient air flow for maximum uniform drying and minimum process time. Air flow supply through the inlet duct and directed down through product bed under negative pressure through exhaust

PCI coater are designed to handle sugar coating tablets contains an outside layer of tablet which protects the medication improves appearance and flavour

Film Coating is achieved using organic coating material or aqueous coating solutions as solvents are much more easiest to evaporate compared to water based coating solutions.

Design Features

- Pneumatic telescopic spray nozzle arm
- Rabbit-ear, Tubular baffles, Plate type baffle is use as per tablet shape, coating process and customers need
- Multiheaded peristaltic pump with solution preparation tank
- Front charging with a chute
- provides specially designed discharge chute and discharge drum
- The Pan is rotated at slow RPM. Discharge chute picks up even the last single tablet
- Air Handling Unit section frame and thick "PUF" insulated panel having SS 304 inner sheet and outer powder coated GI sheet
- We option for treating exhaust air high efficient wet scrubbing for dry air filtration system
- WIP / CIP fully integrated with process controls
- Control Via PLC Touch Screen Based HMI, with necessary communication ports and printer port
- Coating Pan speed, Inlet air supply, Peristaltic Pump, solution preparation vessel control Through Variable Frequency AC Drive



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TECHNICAL SPECIFICATIONS :

Model	PCI-Coater 12"	PCI-Coater 18"	PCI-Coater 24"	PCI-Coater 32"	PCI-Coater 36"	PCI-Coater 42"	PCI-Coater 48"	PCI-Coater 60"	PCI-Coater 66"
Working Capacity in Kgs	0.5 - 2	2 - 7	10 - 20	20-45	45 - 70	70 - 100	100 - 150	200 - 350	400 - 500
Brim volume per batch In LTR	2	10	30	65	90	125	190	440	625
Working Capacity in Kgs @ 0.7 BD	1.5	7	20	45	60	90	130	300	450
No of Spray Gun	1	1	1	2	3	3	3	6	7
Pan Diameter In mm (Ø)	305	460	610	815	915	1070	1220	1525	1680
Pan Mouth Diameter in mm (Ø)	150	200	250	300	300	480	480	550	550
Pan Speed In RPM	2-25	2 - 18	2 - 15	2-15	2 - 15	2-15	2 - 15	2 - 15	2 - 12
Main Drive Motor (HP)	0.75	1	1	1.5	2	4	5	7.5	10
Inlet Blower Motor (HP)	1	1	1	2	3	4	5	12	15
Exhaust Blower Motor (HP)	1	1.5	1.5	4	5	6	7.5	15	20
Inlet Blower Capacity in CFM	300	350	350	1200	1300	2750	3000	5250	7000
Exhaust Blower Capacity in CFM	400	500	500	1500	1700	3000	3500	6000	8000
Electrical Heater (kW)	22KW	22KW	22KW	30KW	36 kW	NA	NA	NA	NA



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Compressed Air Pressure (Bar)	6	6	6	6	6	6		6	6	6
Heating Temperature Range (°C)	30° - 80°	30° - 80°	30° - 80°	30° - 80°	30° - 80°	30° - 80°		30° - 80°	30° - 80°	30° - 80°
Solution Vessel Tank (LTR)	1.5	1.5	25	50	50	75		75	120	150
Pneumatic Agitator Motar (HP)	0.05	0.30	0.30	0.30	0.30	0.5		0.5	1	1
WIP Motar (HP)	0.5	0.75	1	1	1	1		1	1	2
Steam Consumption (Kg/Hr)	20	40	60	110	130	230		275	360	400
Steam Pressure (Kg)	3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5	3.5
Dimensions In mm	W	1350	1380	1410	1450	1500	1970	2020	2100	2250
	D	1210	1250	1300	1375	1375	1590	1590	1920	2060
	H	1575	1650	1720	1775	1875	1990	2080	2300	2450
Weight In Kg	1020	1250	1520	2250	2400	2850		3250	4000	4500

***The above output capacity is calculated at density of 0.7 and can vary depending on the density**

***The above specification is subjected to change without prior notice for technical development**



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