



# PharmaChem Cosmetics Industries



WE MANUFACTURE 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](http://www.PharmaceuticalMachineMumbai.com)

GST : 27ARUPP3866G1Z1

EMAIL : [Pharmachemcosmetics@gmail.com](mailto:Pharmachemcosmetics@gmail.com)



## FLUID BED DRYER

### SPECIAL FEATURES

- Short Drying time
- Sturdy structure
- Uniform Drying at low temperature
- Intrinsically safe Earthing system
- Fan motor unit can be placed in remote areas
- 0.3 micron class 100 Hepa filter (optional)
- Minimum handling more Hygeinic
- All contact parts are made out of S.S.304/316 and provided with isolated control panel
- Available in standard / GMP model
- Heating Mode electrical / Steam / Thermic Fluid
- Inflating tube for filterbag sealing (available)
- 2.5 kg to 500kg batch capacity
- PLC based control panel



### APPLICATION

The Fluid Bed Drying technique is ideal for the rapid, even drying of chemical, pharmaceutical and food products. The material may be in granules, powder or crystalline form. Normally an initial moisture content upto 20% is ideal but materials with higher initial moisture content can be dried successfully.

Model No.	PCI-FBD -3	PCI-FBD -5	PCI-FBD -15	PCI-FBD -30	PCI-FBD -60	PCI-FBD -120	PCI-FBD -150	PCI-FBD -200	PCI-FBD -250	PCI-FBD -300	PCI-FBD -400	PCI-FBD -500	PCI-FBD -600
Working Capacity in Ltrs	9	18	45	90	170	290	350	475	575	675	900	1110	1330
Max. Working Volume in Liters	6	10	30	60	120	240	300	400	500	600	800	1000	1200
Batch Size (Kg) Min. & Max.	2 - 3	4 - 5	10 - 15	20 - 30	50 - 60	80 - 120	100 - 150	150 - 200	200 - 250	200 - 300	300 - 400	400 - 500	500 - 600
Blower Motor HP	2.0	3.0	5.0	5.0	10.0	20.0	20.0	25.0	25.0	30.0	40.0	40.0	50.0
Air Flow (CFM)	270	350	550	750	1100	1900	2000	2588	2700	3235	3824	4412	5500
Air Flow (m3/Hrs)	460	595	935	1275	1870	3230	3400	4400	4590	5500	6500	7500	9350



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Steam Pressure (Kg/cm. sq.)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Steam Consumption (Kg/Hr)	26	36	45	90	130	150	186	216	244	344	344	344	344
Electrical Heater (kW)	9	12	18	20	36	NA	NA	NA	NA	NA	NA	NA	NA
Compressed Air Pressure (Bar)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Drying Temperature (°C)	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C	27 - 80 °C
Electrical Supply	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC





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**AUTO RACKING SYSTEM**



**TELESCOPIC CYLINDER**



**FINGER BAG**



**SOLID FLOW MONITOR**



**INFLATABLE GASKET (AIR TUBE)**



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