

Specification for Dehumidifier

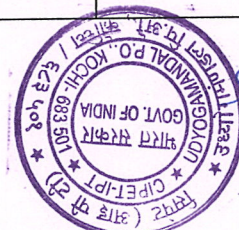
Machine: Dehumidifier

Application: Dehumidifiers are used to reduce the moisture content of the raw materials to a permissible limit prior to processing. Dehumidifying the raw material before processing can reduce the risk of hydrolysis, polymer degradation and preserving the integrity of the biopolymer.

Make:

Model:

<u>Sl no</u>	<u>Particulars</u>	<u>Range</u>	<u>Bidder's remarks</u>
1	Bin capacity	250 liters (Min.)	
2	Loader	Twin loaders shall be provided	
3	Dry air volume	100 m ³ /hr (Min)	
4	Controller	PLC Based controller shall be provided	
5	Dew point	Upto -40 °C	
6	Drying process	Automatic drying & regenerating cycle.	
7	Drying agent	Molecule sieves 2 X 20ltr content	
8	Operation	Dust free operation with dry air filter, return line filters and regenerative air filter.	
9	Stainless steel drying container	200 litres (Min.) Viewing glass for material level	
10	Temperature controller	Microprocessor controlled digital temperature monitoring.	
11	Temperature accuracy	± 1°C	
12	Temperature for drying	Ranging From ambient to 150°C.	
13	Return line air cooler	Shall be provided	
14	Exhaust suction container	Shall be provided	
15	Mobile frame for drying container	Shall be provided	
16	Line cleaning valve	Shall be provided	
17	Twin hopper loader	2 Nos, Receiver volume of 7 liters	



		and above	
18	Central electronic control unit	Shall be provided	
19	Micro particle filter	Shall be provided	
20	Alarm	Alarm for cutoff material level shall be provided	
21	Output	Upto 100 Kg/hr. for each conveyor.	
22	Antistatic flexible tube	40mm diameter and 14 mtrs length (min)	
23	Suction pipe	40mm diameter and 14 mtrs length (min)	
24	Intermediate hopper	Cast aluminium made, 5litre (min) capacity with viewing glass	
25	Other mandatory items	Product brochure Demonstration video of the model quoted Performance reports from the clients for past two years	

Note: Due to change in advancements and scientific updates, specifications have been revised.

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