



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

EMAIL : Pharmachemcosmetics@gmail.com



HIGH EFFECTIVE HOT AIR RE-CIRCULATION - TRAY DRYING

SPECIAL FEATURES :

- ✦ Designed for uniform circulation of hot air in the drying chamber.
- ✦ Electrical / Steam / Oil Heating mode.
- ✦ Inside surface is painted with heat resistant aluminum paint and out side With synthetic enamel.
- ✦ cGMP models with SS 316 Construction, Single page design, coving coroners,

FULLY WASHABLE TYPE MODELS AVAILABLE.

CONSTRUCTION : EXTERNAL : 2 MM THK INTERNAL : 1.5 MM THK MOC : CGMP

SURFACE FINISH : EXTERNAL : Buffed to 150 grit matt finish
INTERNAL : Buffed to 220 grit mirror finish.

INLET & OUTLET :

All dryers have a 5 micron pre filter r at the inlet and a manually infinite adjustable damper at the outlet.

DOOR : Doors at provided at the front and / or rear side of the dryer. Door lips are lined with silicon rubber gasket to prevent any leakages. Suitable locking is provided for the doors.

AIR CIRCULATION : Air circulation is done by specially designed recirculation blowers inside the dryer. The blower capacity , static & design depends on the size and model of dryer.

HEATING : Dryers are normally supplied with either steam/ electric/ thermic fluid / hot water heating system. Suitable heating coils / caloriefiers are provided in the dryers.

TEMPERATURE CONTROL : Temp control system is done by electronic digital temp controller fitted in the control panel. The temp control in the dryer is fully automatic.

TRAYS : Trays are available in S.S. 304/ 316 q. All trays are fully die pressed and with coved corners. Trays are buffed to mirror finish. Trays are also available in aluminium / Polypropylene / Frp/ M.S. galvanized as per clients requirements.

TROLLEY : Trolley is provided in the dryers to accommodate trays in it. Trolley truck are used to load and unload the trays into the dryer.

CONTROL PANEL : Automatic Control panel is fitted on the side of the dryer. If consists of Starters, contactors, safety relays, ckt breakers, indicating lamps, push buttons , timers, controllers etc.

MODELS	TD-12	TD-24	TD-48	TD-96	TD-192
Loading capacity	12 Trays	24 Trays	48 Trays	96 Trays	192 trays
External Dimension in mm	W D H 1370 x 530 x 940	W D H 1370 x 940 x 940	W D H 1980 x 1020 x 1880	W D H 3320 x 1900 x 1880	W D H 3320 x 1900 x 1880
Internal	840 x 430 x	840 x 860 x	1020 x 930 x 1830	1960 x 930 x 1830	1960 x 930 x 1830



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Dimension in mm	840	840			
No of Doors	One	One	One	Two	Two
No of Blowers	One	Two	One	Two	Four
No of motors / H.P. 3 PHASE 415 VOLTS.	1/0.5 H.P. 3 phase 415 volts.	1/0.5 H.P. 3 phase 415 volts	1/1 H.P. 3 phase 415 volts	2/1 H.P. 3 phase 415 volts	Four/1 H.P. 3 phase 415 volts
Electrical Heating Load 100°C/200°C/300°C	3kw 6kw 9kw	6kw 9kw 12kw	9kw 15kw 18kw	15kw 21kw 27kw	36kw 42kw 48kw
Steam Heater No. of coils.	2	2	2	2	2
Steam Pressure	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2
Steam consumption	25 LBS/hr	45 LBS/hr	60 LBS/hr	80 LBS/hr	120 LBS/hr
Insulation in mm 100°C/200°C/300°C	50/75/75	50/75/75	50/75/75	50/75/75	50/75/75
No of Trolleys	Rack System	Rack System	One	Two	Four
Tray Size	812X 406 X 31	812X 406 X 31	812X 406 X 31	812X 406 X 31	812X 406 X 31
Trolley Dimension	Fixed Racks	Fixed Racks	840X960X1780	840X960X1780	840X960X1780





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Our Range Hot Air Tray Dryer 6 Tray, 12 Trays, 24 Trays, 48 Trays, 96 Tray, 192 Tray Dryer Machine and more we can designed as per customer requirement CGMP / USFDA Standard.

Application & Process :

Tray Drying Ovens are used for drying of pharmaceutical powders, granules, Pigments, Food, Bakery, Electrodes, Chemical, and Plastic etc in an effective and economical way by hot air re-circulation.

Tray dryer is an enclosed insulated chamber in which trays are placed on top of each other. Heat transfer is done by circulation of hot air by electric heaters or any other heating media. Blower fans are installed inside to ensure proper circulation and transfer of heat.

Salient Features :

- Available in 6, 12, 24, 48, 96 & 192 Trays.
- Design is cGMP - Current Good Manufacturing Practices compliance.
- All contact parts AISI 316/304 & non contact parts AISI 304/ M.S. with painted.
- Highly effective uniform air re-circulating system by low speed fan.
- Inlet air filter and damper at inlet and exhaust air damper for air flow controls.
- Controls panel with Digital temperature controller and process timer controller.
- Mobile trolleys are provided which are used to load and unload the trays into the dryer.

Optional Features :

- Heating system Electrical / Steam / Gas Heating.
- Separate Inlet AHU with HEPA Filtration.
- Perforated tray
- Standard Painted Model.

Safety Features :

- Automatic Temperature & controls, Process cycle controls.
- Overload relay Protection and Emergency stop button