

Through Circulation Dryer TCD



The Drying object either powder or granules is placed on the drying trays which are made of special screens or punch hole plates and covered around by filter cloth.

The drying trays are placed in the special designed trolley which has several layers perfectly matched with the drying chamber.

The air suction is drawn by the exhaust blower which is placed beside the drying chamber. The hot air passes through the drying objects from top to bottom and takes away the moisture from each tray.

Features:

1. High efficiency: The hot air quickly removes the moisture from drying object to maintain the product quality.
2. Short drying time: The drying rate is 2~4times faster than the conventional dryer.
3. Constant drying: No need to stir the drying object at all time.
4. Temperature uniformity: The temperature in each tray is controlled with in $\pm 5^{\circ}\text{C}$ (Loading $50\sim 80^{\circ}\text{C}$)
5. Precise temperature control: The temperature setting point can be controlled within $\pm 2^{\circ}\text{C}$.
6. No color difference.
7. Air inlet with automatic controlled damper can avoid reverse air flow.
8. During the operation process, the chamber will be in negative pressure.
9. All processes are controlled by PLC.
10. The drying chambers' surrounding is completely welded to ensure no insulation wool will fall into the chamber.
11. Easy cleaning and maintenance.
12. The movable trolley can move up and down and easy clean.

Specification:

1. Heating system by electricity or steam is available and can be both selected or use independently. (In case of night time, there is no steam supply then can use electric heating.)
2. Safety relief duct can be selected as optional (for explosion pool)
3. Automatic Circulation system.
4. One pass type air outlet can be selected.
5. Temperature recorder.
6. Inlet air filter (heap filter)
7. Air outlet control by automatic damper.
8. The contact material change to SUS316.

Model	Working Capacity (Kg/Batch)	Tarys (pcs)	Blower (HP)	Heating Consumption		Machine Dimension		
				Electricity	Steam	L	W	H
YC-TCD-201	30-50	6	3	12KW	30Kg/Hr	1700	920	1700
YC-TCD-202	80-100	12	5	16KW	60Kg/Hr	2250	1020	1900
YC-TCD-202B	100-150	18	10	30KW	90Kg/Hr	2300	1070	2300
YC-TCD-203	150-200	32	15	36KW	120Kg/Hr	3050	1140	2410

** Specifications subject to change without notice.*

Applications

Pharmaceuticals, Foods, Dyeing Materials, Pigments, Sea Products, Garlics, Pesticides, Agricultural Products, Fruits.