

PHARMA MACHINERIES



RIDDHI VACUUM TRAY DRIER

RIDDHI PHARMA MACHINERY LTD.

Manufacturer & Exporters of Pharmaceutical Machineries

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VACUUM TRAY DRYER

TECHNICAL SPECIFICATION OF VACUUM TRAY DRYER

- Main Body / Vacuum chamber are SS 316 plate with heavy duty SS 316 flange and stiffeners.
- SS 316 Door with heavy duty SS 316 Flange.
- Shelves Hollow type pads with SS 316 Sheet and Baffles.
- Condenser (Shell and tub) and Receiver SS 316 with Isolation valve and Flow glass in between to monitor condensation.
- Trays in SS 316 rounded corners and edges.
- Digital Temperature controller (FLP) with solenoid controlled Pneumatic operated valve at Hot water inlet. (Optional).
- Provision for Validation Port on Body.
- Digital Temp., Indicator (FLP) at H.W. inlet & outlet. (Optional).
- Digital type Vacuum gauge and Digital Temperature Indicator (FLP) in vapor line (Optional)
- Pressure release valve in steam line.
- View Glass / Light glass provided on vacuum chamber Door, Body and Receiver.
- Silicon food grade gasket for door.
- Nitrogen purging valve provided on Vacuum chamber.
- Vacuum break valve provided on vacuum, chamber.
- Drain valve for Vacuum chamber and Receiver.
- ◆ Temperature Accuracy ± 2 to 3 degree.
- Finish Internal 240 grit Mirror Polish and outer 180 grit matt finish.

OPTIONALS:

- Condenser and Receiver in SS 316.
- Insulation on the vacuum chamber outer surface except door. The insulation is enclosed and covered with SS 304 2mm thick sheet.
- Skirting / Wall panel all along the body / vacuum chamber flange.
- Hot Water system (steam heated) with MS Tank (Insulated), SS 304 steam radiator/electrical heaters, circulation pump with FLP Motors and Control.
- Vacuum Pump (2 Stage water ring) with FLP Motor.

AVAILABLE MODEL OF VACUUM TRAY DRYER

MODEL	VTD-03	VTD-06	VTD-12	VTD-24	VTD-36	VTD-48	VTD-96
No. of Tray	3	6	12	24	36	48	96
Capacity in Kg.	3 - 5 Kg.	22-25 Kg.	50-55 Kg.	90-95 Kg.	140-145 Kg.	190-195 Kg.	380-385 Kg.
Tray Size: LWH in mm	400x400x32	600x600x32	800x400x32	800x400x32	800x400x32	800x400x32	800x400x32
Tray Volume in Ltrs.	5	11	10	10	10	10	10
No. of Heating shelves	4	7	7	13	13	17	17
Shelves size in mm	450x450x22	625x625x22	900x825x28	900x900x28	1250x830x28	1250x830x28	1650x1250x28
Distance between shelves in mm	100	100	100	100	100	100	100
Trays on each shelves	1	1	2	2	3	3	6
Condenser	0.2 m2	0.5 m2	1 m2	2 m2	2.5 m2	4 m2	8 m2
Receiver	10 Ltrs.	25 Ltrs.	50 Ltrs.	50 Ltrs.	75 Ltrs.	100 Ltrs.	150 Ltrs.
H. W. Distribution Pipes	1 ½"	1 ½"	1 ½"	1 1/2"	1 1/2"	1 1/2"	2
Door Gasket (Silicon food grade)	12/16mm T Type	12/16 mm T type					

