



PHARMA MACHINERIES



**VACUUM TRAY DRYER
6,24,48 TRAY MODEL AVAILABLE**



VACUUM TRAY DRYER VTD-8 (S.S. 316 L) 8.6 M² H.S.A. (24 TRAYS)

DESCRIPTION

A). One Vacuum Chamber Dryer Body made out of 6mm thk. S.S. 316 L plate having 8 Nos. Heating shelves each of 1200 x 800mm thk. size of 4mm top and 3 mm thk. bottom S.S. 316L plate with 16mm jacket in between, having total heating surface area of 8.6 M². Each heating shelf would accommodate three trays of 800 x 400 x 32 mm. The Dryer will have suitable M.S reinforcement from outside with sturdy S.S. door and body frame and the dryer will be supplied with the following.

- a) Dial thermometer of required range & a vacuum gauge of 4" dia 1 no. each.
- b) Sight and light glasses of 4" size 2 each on front door and left side respectively 2 nos. total.
- c) Vacuum release Valve with suitable leg supports and vacuum connection etc. along with the dryer.
- d) Since the dryer is GMP model, hinges of dryer body would be lined with S.S. & all supports, hand wheels, I-bolts would be also of S.S.

Trays: The Dryer Body and Heating Shelves will be suitable for 24 Trays of 800 x 400 x 32 mm thk.

Insulation of chamber body with 50 mm LRB wool fully covered and welded with S.S.

HOT WATER TANK:

This would consist of C.S. Hot Water Tank of 160 ltrs along with 1 h.p. B.E. make Pump and 1 h.p. FLP motor mounted on cast iron support along with 36 KW heaters in the tank. The tank would be having inlet / outlet connections and would be closed from top along with interconnecting pipelines between the hot water tank and the dryer .

A) CONDENSER & RECEIVER

SHELL & TUBE TYPE VERTICAL CONDENSER OF 2M² HEATING SURFACE AREA HAVING 40 LTRS CAP. RECEIVER , VERTICALLY MOUNTED WITH SUITABLE LEG SUPPORTS ALONG WITH NECESSARY INLET/OUTLET CONNECTIONS ALONG WITH INTER-CONNECTING PIPELINE BETWEEN VTD & CONDENSER RECEIVER.



VACUUM CHAMBER DRYER VCD-16 (S.S. 316 L) 48 TRAYS (GMP Model)

DESCRIPTION

A). One Vacuum Chamber Dryer Body made out of 8mm thk. S.S. 316 L plate having 16 Nos. Heating shelves each of 1200 x 1000 x 22mm thk. size of 3 mm thk. S.S. 316 L plate with 16mm jacket in between, having total heating surface area of 20 M². Each heating shelf would accommodate three trays of 950 x 400 x 50mm. The Dryer will have suitable M.S reinforcement from outside with sturdy S.S. door and body frame and the dryer will be supplied with the following.

- a) Dial thermometer of required range & a vacuum gauge of 4" dia 1 no. each.
- b) Sight and light glasses of 4" size 2 each on front door and left side respectively 4 nos. total.
- c) Vacuum release Valve with suitable leg supports and vacuum connection etc. along with the dryer.
- d) Since the dryer is GMP model, hinges of dryer body would be lined with S.S. & all supports, hand wheels, I-bolts would be also of S.S.

TRAYS:- The dryer body and heating shelves will be suitable for 48 Trays of 950 x 400 x 50 mm.

B) INSULATION:-

Dryer body from outside would be fully insulated with 50mm LRB & would be fully covered with S.S. 304 sheets and would be fully welded.

C) CONDENSER & RECEIVER

SHELL & TUBE TYPE VERTICAL
CONDENSER OF 6M² HEATING
SURFACE AREA HAVING 120 LTRS
RECEIVER VERTICALLY MOUNTED
WITH SUITABLE LEG SUPPORTS

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