VACUUM TRAY DRYER
6,24,48 TRAY MODEL AVAILABLE
VACUUM TRAY DRYER VTD-8 (S.S. 316 L) 8.6 M^2 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 M^2. 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 KV 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 2M^2 HEATING SURFACE AREA HAVING 40 LTR'S 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