

Purna S. S. K. Ltd., Basmathnagar

Date:- 17/05/2021

I) Design, Manufacture, supply & erection of Robert type Evaporator body of following specifications. (for 3 rd effect)

- 1 Quantity : 01 No.
- 2 Heating Surface : 1500 m²
- 3 Type : Robert type
- 4 Tube size : 45 mm outside dia & 1.2 mm thick x 2000 MM length
- 5 Tube plate Ligaments : 12 mm
- 6 Calendria & body shell thickness : 10 mm (12 mm)
- 7 Saucer thickness : 18 mm
- 8 Tube plate thickness : 32 mm
- 9 Down take : Central, Sealed
- 10 Vapour space : 2.5 times of the calendria height
- 11 Save All : The dome of the body of Robert type evaporator shall have
- 12 No. of Manholes : Total 3 Nos. 1 for body, 1 for bottom cone, 1 for top dome 450 mm dia alongwith covers, rubber chord & bolts.
- 13 Juice inlet : Juice distribution coil provided below the bottom tube plate.
- 14 Juice outlet : 150 NB
- 15 Calendria Vapour connection : 800 MM
- 16 Body Vapour outlet connection : 900 NB
- 17 Condensate outlet : Box type half round - 3 Nos - 100 NB provided with common coil - 150 NB with globe valve.
- 18 Water connection to calendria & body : 100 NB with CI globe valve with rubber seat.
- 19 Vent connection to the vapour space : 100 NB with on rubber seatted globe valve.
- 20 Vacuum Breaking connection : 100NB
- 21 Washout connection : 100NB
- 22 Noxious gas connection SS-304 material : Separately for light & heavy gasses.
- 23 Sight glass : Hard toughenned sight glass 200 NB x 15 mm think - 3 Nos. (The lowest sight glass shall not be higher than 1.5 mtr & 200 mm top tube plate.)
- 24 light glass : Hard toughenned light glass 200 NB x 15 mm think - 1 Nos.
- 25 Sockets for pressure, Temp. gauge : calendria.
- 26 Sockets for temp. vacuum gauge : Body.
- 27 Valve make : Kirloskar/Calson/Thorat.
- 28 This body is to be fitted on existing structure, Any modification if required shall be done by the supplier
- 29 All drawing & design shall be got approved from our Chief Engineer, Chief Chemist before start


Chief Chemist


Chief Engineer


Managing Director