

Product Name :
Double Effect Falling Film Evaporation Plant India

Product Code :
NLAB-ENGINEERINGLB36039



Description :

Double Effect Falling Film Evaporation Plant

Technical Specification :

Tank with a capacity of 10 litres for collecting the condensed solvent

2x Steam Traps

2x Graduated tanks with a capacity of 1 litre for measuring the condensate

Bourdon pressure gauge with a capacity of 0 to 6 bar

Bourdon pressure gauge with a capacity of 0 to 1.6 bar

Calibrated diaphragm with differential pressure transmitter for measuring the steam flow rate

Metering pump with a flow rate of 0 to 32 litres per hour and pneumatic actuator

Feed tank with a capacity of 25 litres

12x electronic temperature indicators

Flow meter with a range of 25 to 250 litres per hour

Liquid ring vacuum pump of power 0.7 kW equipped with air/water separator and solenoid valve for feed water

Tank with a capacity of 10 litres for collecting the concentrated product

12x digital thermocouples with pt100 probes protected by stainless steel shield sleeves

Pipework manufactured from stainless steel

The electrical control panel in the main cabinet

Emergency stop button

Bourdon vacuum gauge with a capacity of 1 to 0

Metering pump with a flow rate of 0 to 8.5 litres per hour

2x Falling film shell-and-tube evaporators, each with an exchange surface of 0.27 m²

Shell-and-tube condenser with an exchange surface of 1.1 m²

Tube-in-tube heat exchanger

Level transmitter, capacitance type with electronic display

Pneumatic valve for control of the steam flow rate, $C_v=0.32$

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