

Product Name :
Thin Film Evaporation Plant

Product Code :
NLAB-ENGINEERINGLB36040



Description :

Thin Film Evaporation Plant

Technical Specification :

Graduated tank with a capacity of 1 litre for measuring the condensate.

Tank with a capacity of 4 litres for collecting the condensed solvent.

Steam Trap

Bourdon vacuum gauge with a capacity of -1 to 0.

3x electronic temperature indicators

Metering pump with a maximum flow rate of 8 litres per hour.

Feed tank with a capacity of 5 litres.

Tank with a capacity of 4 litres for collecting the concentrated product.

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

Pipework manufactured from stainless steel

The electrical control panel in the main cabinet

Emergency stop button

Thin film evaporator with variable speed rotor, water-cooled mechanical seal lubricated with silicone oil with an exchange surface of 0.06 m²

Electronic r.p.m. indicator

Shell-and-tube condenser with an exchange surface of 0.26 m²

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

3x digital thermocouples with pt100 probes protected by stainless steel shield sleeves

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