

Product Name :
Double Effect Falling Film Evaporation Pilot Plant**Product Code :**
Chemical0008**Description :**

Double Effect Falling Film Evaporation Pilot Plant

Technical Specification :**Double Effect Falling Film Evaporation Pilot Plant**

- Metering pump with a flow rate of 0 to 32 litres per hour and pneumatic actuator
- Feed tank with a capacity of 25 litres
- Tank with a capacity of 10 litres for collecting the concentrated product
- 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
- Bourdon vacuum gauge with a capacity of 1 to 0
- Metering pump with 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, Cv=0.32
- Calibrated diaphragm with differential pressure transmitter for measuring the steam flow rate
- 12x digital thermocouples with pt100 probes protected by stainless steel shield sleeves
- 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
- Pipework manufactured from stainless steel
- Electrical control panel in main cabinet
- Emergency stop button

Size:-

- Manual Double-Effect Falling Film Evaporation Pilot Plant DICE041/1
- Manual Double-Effect Falling Film Evaporation Pilot Plant with Data Acquisition DICE041/2
- Automated Double-Effect Falling Film Evaporation Pilot Plant

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