

Product Name :
Manual Solid Liquid Extraction Pilot Plant

Product Code :
NLAB-ENGINEERINGLB36026



Description :

Manual Solid Liquid Extraction Pilot Plant

Technical Specification :

Tank for storing the waste solid material with a capacity of 10 liters.

Thyristor controlled electric heating unit

Extraction column, 1,000mm with PTFE Archimedean screw.

Hopper for storing the solid material with a capacity of 2 liters.

Geared motor for the feeding Archimedean screw with a speed of 0 to 20 rpm

2x programmable timers for starting and stopping times for the feeding Archimedean screw

Tank for storing the solvent with a capacity of 10 liters

Tank for storing the extracted product with a capacity of 10 liters

Geared motor for the transporting Archimedean screw with a speed of 0 to 10 rpm

Quartz electric heater for solvent preheating with power 0.4 kW Metering pump for the solvent with a flow rate of 0 to 12 litres per hour with pneumatic actuator operating between 0.2 to 1.0 bar.

Electrical control panel in main cabinet.

Emergency stop button

3x Thermocouple with pt100 probe protected by stainless steel shield sleeves.

3x electronic temperature indicators.

3x manual pneumatic control devices

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