Product name:	Product code:
Manual Solid Liquid Extraction Pilot Plant	Chemical0025



Description

Manual Solid Liquid Extraction Pilot Plant

Technical specification

- 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

Manual Solid Liquid Extraction Pilot Plant

Specifications:

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- 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
- Geared motor for the transporting Archimedean screw with a speed of 0 to 10 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
- Tank for storing the waste solid material with a capacity of 10 liters.
- 3x Thermocouple with pt100 probe protected by stainless steel shield sleeves.
- 3x electronic temperature indicators.
- 3x manual pneumatic control devices
- Thyristor controlled electric heating unit