INDUSTRIAL PLANTS

PILOT PLANT FOR SOLID-LIQUID EXTRACTION INCLUDING SOLVENT RECOVERY UNIT

DL CH23

The image is for reference only

DESCRIPTION

The solid-liquid extraction pilot plant **DL CH23** is designed to perform various extraction processes by different methods, adapting to a wide range of substances, this equipment allows experimentation, development and optimization of processes at pilot scale before their implementation at industrial level, equipped with a solvent recovery system, this plant not only ensures high extraction efficiency, but also promotes sustainability by minimizing solvent waste, providing flexibility and precision in laboratory or industrial environments.

MAIN CHARACTERISTICS

- Steel structure with wheels.
- Extractor made of borosilicate glass.
- Stainless steel condenser.
- Piping and fittings made of stainless steel.
- PT-100 Temperature Sensors.
- Electronic digital temperature indicators.
- Emergency push button.
- Stainless steel solid storage Hopper.
- Geared motor for the solid feeding auger.
- Geared motor for the extractor screw.
- Programmable timers for adjusting the starting and stopping times of the auger feed screw.

- Borosilicate glass solvent storage tank.
- Borosilicate glass extracted phase storage tank.
- Borosilicate glass depleted phase storage tank.
- SCR unit for heating power regulation.
- Electrical solvent preheating resistance.
- Stainless steel solvent dosing pump.
- Stainless steel valves and connection lines.

ACCESSORIES INCLUDED

- Computer with Windows operating system.
- Data Acquisition Software.
- Furniture, ergonomic chair.
- Detailed practical manual.

The system is powered by single-phase voltage from the network.