



ESSENTIAL OIL EXTRACTION PILOT PLANT **DL CH25**



The image is for reference only

DESCRIPTION

The Essential Oil Extraction Pilot Plant **DL CH25** has been designed to offer a complete, safe and efficient solution for steam distillation processes, adapted to both educational environments and research and development applications, built with high quality materials such as stainless steel AISI 304/306 and borosilicate glass, this plant allows visualization of the extraction process, guaranteeing precision, instruments such as pressure gauges, as well as an integrated safety system with emergency button, thanks to its compact, modular and mobile design, ideal for demonstrating principles of chemical engineering, unit operations and extraction technologies of natural products.

MAIN CHARACTERISTICS

- Stainless steel structure with wheels.
- Borosilicate glass boiler.
- Borosilicate glass collection tanks.
- Bourdon spring pressure gauge.
- PT-100 Temperature Sensors.
- AISI 304 and 306 stainless steel connection lines and valves.
- Pressure reducer for compressed air.
- Emergency push button.
- Variable area flowmeter.



INDUSTRIAL PLANTS



- Pneumatic valve for steam flow regulation to the boiler, made of stainless steel.
- Calibrated stainless steel diaphragm.
- Stainless steel electronic differential pressure transmitter.

ACCESSORIES INCLUDED

- Computer with Windows operating system.
- Data Acquisition Software.
- Computer cabinet and chair.
- Steam generator.
- Detailed practical manual.

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