



## CONTINUOUS DISTILLATION PILOT PLANT DL CH22



*The image is for reference only*

### DESCRIPTION

The Continuous Distillation Pilot Plant **DL CH22** is a system designed for teaching, research and development in processes of separation of liquid mixtures by distillation. Its borosilicate glass design allows direct visualization of the process, facilitating the understanding of the principles of mass and heat transfer involved in fractional distillation. This equipment is ideal for use in laboratories of universities, research centers and companies that require a flexible platform for the optimization and control of industrial processes. Its modular configuration allows to study key operating variables, evaluate column performance and test different mixtures of chemical compounds.

### MAIN CHARACTERISTICS

- Steel structure with wheels.
- Borosilicate glass distillation column.
- Distillation kettle.
- Borosilicate glass condenser.
- Feed tank.
- Distillate and residue collection tank.
- Cooling water flow regulation valve.



# INDUSTRIAL PLANTS



- Emergency push button.
- IP55 electrical panel.
- Variable area flowmeter in glass and steel.
- 3 stainless steel tube-to-tube heat exchangers.
- Dosing pump with stainless steel head.
- SCR unit to regulate the power of the kettle's heating resistor.
- 2 programmable timers for backflow ratio control.
- Vacuum circuit with trap, made of stainless steel.
- 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.