



Information about product price on demand

Parameters

Quantitative unit

ks

GUNT CE 600

Continuous Rectification System is designed for continuous and discontinuous rectification experiments, providing in-depth studies on distillation and separation processes. The system includes a packed column, sieve tray, and bubble cap tray column—each interchangeable—to support various distillation methods. The plant is equipped with advanced control via a PLC system, allowing for seamless operation through a touch screen interface.

This setup also features an integrated router for operation and control via up to 5 end devices. Key features include three feed inlets, multiple temperature sensors, and a reflux ratio adjustment system.

The unit ensures water conservation through a closed cooling water circuit with an air cooler, as well as a vacuum mode with a diaphragm pump.

The CE 600 system is equipped with data acquisition capabilities, enabling detailed performance analysis through GUNT software.

Technical Data & Specifications:

Columns:

- Height x Inner diameter: 780 × 50 mm
- Type: Packed column with Raschig rings, Sieve tray and bubble cap tray columns (interchangeable)

Feed Pump:

- Max. flow rate: 320 mL/min
- Cooling Water Pump:
- Max. flow rate: 10 L/min

Diaphragm Pump:

- Final vacuum: Approx. 213 mbar abs.

Tanks:

- Feed: 2x Approx. 5 L
- Bottom product: 2x Approx. 5 L
- Top product: Approx. 1.9 L

Heat Transfer Surfaces:

- Feed preheating/bottom cooling: Approx. 0.03 m²
- Top product condenser: Approx. 0.04 m²

Measuring Ranges:

- Temperature: 33x 0-150°C
- Pressure sensor: 2x 0-2.5 bar (column), 1x -1 to 1 bar
- Manometer: -1 to 0.6 bar
- Reflux ratio: 0-100%
- Power: 0-4 kW (heater)
- Flow rate: 30-320 L/h (cooling water)
- Density: 0.8-1 g/mL

Operating Conditions:

- 400V, 50Hz, 3 phases
- 400V, 60Hz, 3 phases
- 230V, 60Hz, 3 phases (UL/CSA optional)

Included Items:

- Packed column with Raschig rings
- Sieve tray and bubble cap tray columns (interchangeable)
- Feed pumps and cooling water pumps
- Diaphragm pump for vacuum mode
- PLC control with integrated router for remote operation
- GUNT software for data acquisition via LAN

Dimensions & Weight:

- Dimensions (LxWxH): 1905 × 790 × 2200 mm
- Weight: Approx. 400 kg

Required for Operation:

- Vuforia View for augmented reality application