

## CE 310 Supply unit for chemical reactors

Order code: **5201.08331000**



Information about product price on demand

Parameters

Quantitative unit

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### GUNT CE 310

Supply Unit is designed to support 6 different chemical reactor types. It enables the connection of reactors via hoses with quick-release couplings, ensuring efficient setup and operation. The system includes a water circuit with a tank, heater, temperature controller, and pump with a low water cut-off function for both heating.

The supply unit allows for precise temperature control of the reactants and reactors, ensuring optimal conditions for the chemical processes. It includes 3 glass tanks for storing reactants and products, as well as 5 peristaltic pumps for delivering the reactants and products with accuracy.

Two combined sensors are used for measuring the conductivity and temperature of the solutions. Additionally, the system is equipped with GUNT software for data acquisition via USB on Windows 10 for comprehensive monitoring and control.

## Technical Data & Specifications:

### Peristaltic Pump for Reactants:

- Max. flow rate: Approx. 180 mL/min
- Hose size: 8.0 × 4.8 mm

### Peristaltic Pump for Products:

- Max. flow rate: Approx. 420 mL/min
- Hose size: 8.0 × 4.8 mm

### Water Pump:

- Max. flow rate: 10 L/min
- Max. head: 30 m
- Power consumption: 120 W

### Heater:

- Power consumption: 1500 W

### Tanks:

- Reactants: 2x 2.5 L
- Product: 5 L
- Heating water: 8 L

### Measuring Ranges:

- Conductivity: 2x 0-100 mS/cm
- Temperature: 2x 0-55°C, 1x 0-60°C
- Flow rate: 1x 0-240 L/min

### Operating Conditions:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase (UL/CSA optional)

### Included Items:

- Water circuit with tank, heater, temperature controller, pump, and low water cut-off
- 3 glass tanks for reactants and products
- 5 peristaltic pumps for reactant and product delivery
- Combined conductivity and temperature sensors
- GUNT software for data acquisition via USB on Windows 10

### Dimensions & Weight:

- LxWxH: 1170 × 670 × 690 mm
- Weight: Approx. 82 kg

### Required for Operation:

- Water connection and drain
- Ethyl acetate
- Caustic soda (for saponification reaction)
- PC with Windows (recommended)

The CE 310 Supply Unit requires one of the following reactors for proper operation: CE 310.01, CE 310.02, CE 310.03, CE 310.04, CE 310.05 or CE 310.06. For more information visit GUNT website.