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CE 380 Fixed bed catalysis

Order code: **5201.08338000**

Information about product price on demand

Parameters

Quantitative unit	ks

GUNT CE 380

Fixed-Bed Catalysis unit is designed for the investigation of catalytic reactions using three transparent PMMA reactors, allowing for a direct comparison of different fixed-bed catalysts. A peristaltic pump with adjustable speed ensures precise reactant transport into the reactors, while a regulated heating circuit with a water tank, heater, and pump maintains stable reaction temperatures.

The unit includes scaled containers for both reactant and product collection, and a photometer for analyzing the product composition. The GUNT software enables data acquisition via USB on Windows 10. For advanced analysis, the CE 380.01 Flow Injection Analysis system is available as an accessory.

Technical Data & Specifications:

Reactors:

- Diameter: Approx. 10 mm
- Height: Approx. 120 mm

Peristaltic Pump:

- Max. flow rate: Approx. 50 mL/min

Heating Circuit Pump:

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

Heating Circuit:

- Tank capacity: Approx. 7500 mL
- Heater power: Approx. 1 kW

Tanks for Reactant & Product:

- Capacity: Approx. 2000 mL
- Scale division: 50 mL
- Material: PP

Photometer:

- Wavelength: 610 nm

Operating Conditions:

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

Included Items:

- 3 PMMA reactors for different fixed-bed catalyses
- Peristaltic pump with adjustable speed
- Regulated heating circuit with water tank, heater, and pump
- Scaled containers for reactant and product
- Photometer for product analysis
- GUNT software for data acquisition via USB on Windows 10

Dimensions & Weight:

- Experimental unit (LxWxH): 1000 × 680 × 500 mm
- Photometer (LxWxH): 260 × 260 × 180 mm
- Weight: Approx. 63 kg

Required for Operation:

- PC with Windows