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HM 142 Separation in sedimentation tanks

Order code: **5201.07014200**



Information about product price on demand

Parameters

Quantitative unit

ks

GUNT HM 142

Sedimentation Tank system is designed for the separation of suspensions through sedimentation processes. It includes a transparent sedimentation tank with lighting for optimal visualization of flow conditions. The system is equipped with a stirring machine in the inlet area to create and transport concentrated suspensions and to simulate raw water flow.

A lamella unit can be inserted into the tank for enhanced separation efficiency. The adjustable water level and flow velocity at the inlet allow for customization of experimental conditions. The system features an electromagnetic flow rate sensor for accurate measurement of raw water and is ideal for studying the behavior of settleable substances using Imhoff cones. This system is perfect for studying the sedimentation process and understanding separation techniques in water treatment applications.

Technical Data & Specifications:

Sedimentation Tank (Experimental Section):

- Dimensions (L × W × H): 900 × 110 × 300 mm
- Max. filling capacity: approx. 25 L
- Material: Plexiglass

Lamella Unit:

- Inclination angle of lamellas: 60°
- Number of lamellas: 16

Suspension Tank:

- Capacity: approx. 85 L
- Material: Stainless steel

Pump:

- Max. flow rate: 75 L/h

Stirring Machines (Max. Speed):

- Suspension tank: 600 min⁻¹
- Sedimentation tank: 330 min⁻¹

Measuring Ranges:

- Flow rate: 30–600 L/h

Operating Conditions:

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

Included Items:

- Sedimentation tank with lighting for flow visualization
- Stirring machine for suspension creation and transport
- Lamella unit (optional) for enhanced separation
- Pump for suspension and raw water movement
- Electromagnetic flow rate sensor for precise flow measurement
- Imhoff cones for determining settleable substances
- Adjustable water level and flow velocity for controlled experiments

Dimensions & Weight:

- L × W × H: 2200 × 790 × 1540 mm
- Weight: approx. 220 kg

Required for Operation:

- Water connection and drain