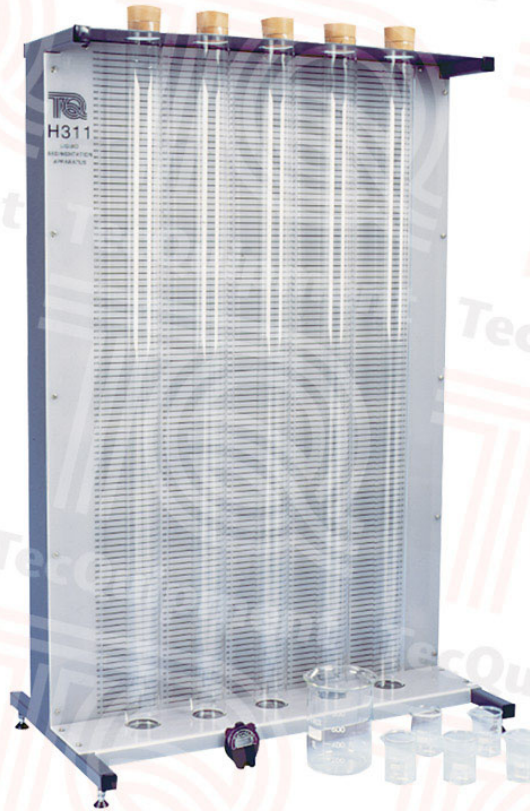


H311

Liquid Sedimentation Apparatus

Shows how different particles settle in liquid



- Compact, bench-mounting apparatus to study how particles settle in liquid
- Finds settling characteristics and particle sizes of suspended solids
- Five identical sedimentation columns for comparison of different sediments
- Translucent rear panel with back lighting for better visibility
- Includes stopwatch, measuring beakers and specific gravity bottle
- Ideal for classroom demonstrations and student experiments

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- An ISO 9001 certified company

H311

Liquid Sedimentation Apparatus

Description

The bench-mounting apparatus consists of five long, transparent sedimentation columns mounted on a rigid frame.

The rear panel is translucent, with back lighting to improve observation of settling sediments in the columns. The columns are removable for filling before tests. A graduated scale on the rear panel allows students to measure settlement depth.

Supplied with the equipment is a stopwatch to find settling times, a specific gravity bottle, measuring beakers and five rubber bungs. The rubber bungs seal the ends of the columns when the students shake the liquid and particles (slurry) before an experiment.

Standard Features

- Supplied with a comprehensive user guide
- Two-year warranty
- Manufactured in accordance with the latest European Union directives

Experiments

- Comparison of settling characteristics of different sediments
- Determination of the effect of concentration on settling characteristics (hindered settlement)
- Determination of velocity distribution curves
- Comparison of flocculent and particle suspensions
- Determination of particle size distribution (grading curve) by liquid sedimentation

Operating Conditions

Operating environment:
Laboratory environment

Storage temperature range:
-25°C to +55°C (when packed for transport)

Operating temperature range:
+5°C to +40°C

Operating relative humidity range:
80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Essential Services

Electrical supply:
Single-phase, earthed electrical supply of 220/240 VAC or 110/120 VAC, 50/60 Hz (specify on order).

Bench space needed:
Approximately 850 mm x 600 mm

Specifications

Nett dimensions and weight:
760 x 430 x 1140 mm and 50 kg

Packed dimensions and weight:
0.6 m³ and 85 kg

Columns:
1 m long, 50 mm nominal diameter