

Product Name :
Model of Sedimentation Tank

Product Code :
NLAB-TECHNICALAB38004



Description :

Model of Sedimentation Tank

Technical Specification :

Settling tank: 1000 x 400 x 200mm Sediment sump tank capacity: 120 litres Water flow meter range: 0.5-5l/min
Sediment suspension flow meter range: 0-2l/min Pump flow rate: 25l/min at 5m head Motor: 0.1kW Ordering

Specification

A rigid acrylic settling tank of 80L capacity can be fed by a mains water or a slurry supply. Slurry is pumped from a 120L sump tank via a centrifugal pump.

A sparging device in the sump tank keeps the slurry in suspension.

Both supplies are fitted with a flow meter.

Mains water flow meter range 0.5 - 5.0 litres/min; slurry flow meter range 0 - 2 litres/min.

A dye injection system is incorporated to allow hydraulic tracer and flow visualisation studies.

Measuring flow regimes using a dye tracer and comparison of these with idealised flow models.

Effect of variables such as flow rate and baffle position on flow regimes.

Measurement of sediment removal efficiencies. Recommended Accessories Sedimentation Studies Apparatus to characterise settling regimes of selected suspension Precipitated calcium carbonate Balances Colorimeter - 7 narrow band-pass filters covering wavelengths 450 to 700nm Services Required Electrical supply: 220-240V/1ph/50Hz 120V/1ph/60Hz Water supply: 22 litres/min @ 1 bar

Overall Dimensions Height: 1.55m Width: 1.90m Depth: 0.60m Shipping Specification Volume: 2.9m³ Gross weight: 310kg

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