

Product Name :
Aeration Unit

Product Code :
NLAB-TECHNICALAB38002



Description :

Aeration Unit

Technical Specification :

An aeration unit to permit the study of oxygen transfer characteristics of diffuse air systems.

Comprising a 24.5 litre open tank with variable speed motor driven stirrer paddle and pumped air supply, via a valve and flow meter, to a diffuser.

Sparger, single and treble air stone difusers are included in the supply.

A battery powered dissolved oxygen meter provides instrumentation including direct reading of water temperature.

Technical Details:

Pump: Diaphragm type

Tank capacity: 24.5 litres

Flow meter range: 1-12 litres/min

Oxygen/temperature meter ranges:

-5 to 199%DO2 -5 to 25.0%DO2 -5 to 19.99mg/l -10 to 105°C

Oxygen probe length: 300mm

Paddle: Variable sped controlled by D.C. shunt wound motor

Chemicals required:(not supplied)

Sodium sulphite

Cobaltous chloride

Three diffusers, sparger tube, treble airstone and single airstone, may be separately attached to the aerator tube.

Variable speed adjustment of the stirrer paddle provides different levels of turbulence in the tank.

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