



Technical Specifications

- Water bath: approx. 2L approx.
- Diffusion tube for solvent – diameter : 4mm, length : 100mm
- Heater Power : 300W approx.
- Fan: 120–320L/h
- Microscope scale division: 0.1mm

Stirrer

- Type: Blade
- Drive: Motorized
- Speed: 500rpm

Measuring ranges

- Temperature: 100–400°C
- Investigation of the diffusion of gases
- Evaporation of a highly volatile solvent with a diffusion tube in a heated water bath for investigating diffusion in gases
- Removal of gaseous solvent at the upper end of the diffusion tube with a fan
- Heater with controller and sensor for adjusting the temperature in the water bath
- Height-adjustable microscope for monitoring and determining the solvent volume in the diffusion tube
- Digital display and control unit contains a temperature controller and fan

Experiments

- Fundamentals of diffusion: Fick's law
- Derivation of the calculation formula for the diffusion coefficients for the given

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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experimental conditions

- Determination of the diffusion coefficient for the mass transport in gas

NOTE

- Computer is not Included in our scope of Supply.



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