



THE LAB EQUIPMENT

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Product Name :

Axial Flow Pump Test Rig

Product Code :

SLE/MCE/45



Website: <https://thelabequipment.com>, **Email:** sales@thelabequipment.com

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



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Description :

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- In an axial-flow pump the pumping medium flows through the impeller in the axial direction.
- In axial-flow pumps, the pressure build-up is not achieved by the centrifugal force but like the aerodynamic principle, by the propeller blade.
- A temperature sensor measures the water temperature.
- The flow rate is measured with an electromagnetic flow meter.
- They are not self-priming and the propeller must always be covered by the pumping medium.
- Axial propeller pumps are used when high flow rates and a small head are needed.
- The closed water circuit means that the trainer can be used independently of the water system.
- The trainer is equipped with measuring elements for the pressures at the inlet and outlet of the pump.
- The typical areas of application for propeller pumps are drainage systems, wastewater treatment plants and cooling water supply systems.

Specification:

- **Pump Output:** 1000W at 1000min⁻¹
- **Max. Flow rate:** 700L/min
- **Max. Head:** 1,75m
- **Tank:** 160L

Measuring ranges:

- **flow rate:** 0...1200L/min
- **Temperature:** 0...100°C
- **Pressure (inlet):** ±1bar
- **Pressure (outlet):** 0...0,6bar
- **Power Supply:** 230V, 50Hz, 1 phase
- **Dimension:** 1110x800x1380mm
- **Weight: approx.:** 154kg

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