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Product Name :	**Product Code :**
Multistage Centrifugal Pump Test Rig	NLAB-TECHNICALAB25003

Description :

Multistage Centrifugal Pump Test Rig

Technical Specification :

The setup is designed to study the performance of Multi stage centrifugal pumps.
Set up consists of a multi stage centrifugal pump coupled with DC motor & drive, supply tank, measuring tank & pipe fittings for closed loop water circulation. There are 2 separate pumps connected to DC motor and drive and can be connected in series and parallel to stimulate different combinations. Pressure and Vacuum gauges are connected on delivery and suction side of each pump for the purpose of measurement.

Swinging Field Dynamometer arrangement for direct torque measurement using dial type spring balance is made for individual pump. The flow rate of water is measured using measuring tank and stop watch provided
Experiment :
The Centrifugal Pump Test Rig allows the students to understand the performance benefits of Centrifugal Pumps in parallel & series mode as under:
Speed Vs Discharge
Head Vs Discharge at various speeds.
Efficiency curves at various speed and heads

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