

Product Name :
Centrifugal Pump**Product Code :**
FUDE0076**Description :**

Centrifugal Pump

Technical Specification :

- characteristic curve of a centrifugal pump
- variable speed via frequency converter

Centrifugal pumps are turbomachines that are used for conveying fluids. The MR- unit can be used to study a centrifugal pump and to record a typical pump characteristic curve.

The experimental unit includes a selfpriming centrifugal pump, a ball valve on the outlet side and manometers on the inlet and outlet side. It is driven by an asynchronous motor. The speed is infinitely adjustable by using a frequency converter. A ball valve is used to adjust the head.

In experiments, the operating behaviour of the pump as a function of the flow rate is studied and displayed in characteristic curves. The motor's speed and electrical power are displayed digitally.

Pressures on the inlet and outlet side are displayed on two manometers.

The experimental unit is positioned easily and securely on the work surface of the base module. The pump draws in water from the tank on the base module MR-The flow rate is determined volumetrically by flowing back into the measuring tank



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