



CENTRIFUGAL PUMP DEMONSTRATION UNIT



DL DKD063

With this equipment, it is possible to study and understand the features of a centrifugal pump.

The unit also allows the possibility to determine the capacity efficiency of the centrifugal pump.

TRAINING OBJECTIVES

- Study and production of the centrifugal pump characteristic curve.
 - Head-flow (H-Q).
- Modification of the operation point by varying the settings of the pump installation.
 - Adjusting the discharge valve.

TECHNICAL DATA

Pump

- Type: Centrifugal pump
- Maximum high: 9 m H₂O
- Maximum flow: 123 LPM

Cylindrical Circulation Tank

- Transparent tank Volume: 15 L

Pressure gauge

- Delivery side: 0 to 1.2 bar
- Suction side: -1 to 1 bar

Rotameter

- Range: 0 to 166 LPM

Digital Instrumentation

- 2 units of digital indicator,
- 1 unit of electronic flow meter,
- 2 units of pressure sensor

The system is supplied with:

- Operating and Experiment Manuals in English giving full descriptions of the unit, summary of theory, experimental procedures and typical experimental results
- Data acquisition system and software utility

Requirements:

- Power supply: Single phase by the mains
- Drainage and water supply system