

Product Name :
Series and Parallel Pumps Demonstration Unit

Product Code :
ALABS-A43-039

ALTEC™

Description :

Series and Parallel Pumps Demonstration Unit

- A small-scale series/parallel pump demonstration unit, comprising of a water reservoir, two pumps, control valves and interconnecting pipework, all mounted on a stainless steel base.
- Equipped with electronic measurement sensors for pump head pressure (2 off), suction, flow- rate and water temperature.
- Transparent pump volutes for visibility.
- Inlet valve throttling demonstrates air release.
- Supplied with different easily interchangeable impellers.
- Capable of being linked to a PC (not supplied) via a dedicated interface console.
- Supplied with software providing full instructions for setting up, operating, calibrating and performing the teaching exercises. Facilities for logging, processing and displaying data graphically.

- Full theoretical back-up together with a student questions and answers session.

Capabilities:

- Demonstration of either series, parallel or single pump operation
- Measurement of constant-speed pump performance, including production of characteristic curves (one pump)
- Comparison of head-flow characteristics with single pump operation, at inherent speed
- Investigation of impeller styles
- Comparison of student calculations with computer results

Technical Specification:

- Max Flow Rate: 2.2 l/s
- (parallel pumping, both pumps 50 Hz)
- Max Head: 6.0 m (single pump)
- 12.0m (series)
- Max pump speed 1800 rpm
- (pump1)
- 1500 rpm
- (pump 2 nominal)
- Motor Power rating 250W



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