

Description

Centrifugal Pump Test Set

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A self contained floor standing mobile unit consisting of a water reservoir, pump, motor and Venturi meter for a comprehensive range of investigations into the performance and characteristics of a centrifugal pump. Demonstrates cavitation and the use of a Venturi Tube. A compact, mobile and fully self-contained centrifugal pump test set that allows students to find the characteristics of a centrifugal pump.

The water travels up through a valve and filter, through an inlet valve to the pump body, then out through a delivery valve. It then passes through a Venturi meter and returns to the reservoir for re-use. A motor mounted in bearings drives the pump. The pump draws water from the integral reservoir. The pump has a transparent 'window' so students can see the impeller turning and how the water vapour bubbles form in the pump at cavitation. This self-contained water supply keeps water consumption to a minimum. The equipment can use both analogue and digital instrumentation at the same time, enabling students to compare the different pressure measurement methods.

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