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Product Name :
Plunger Pump Demonstration Unit

Product Code :
SCHOOL-FUD810031



Description :

Plunger Pump Demonstration Unit

Technical Specification :

The motor-driven plunger pump, mounted on a stainless steel plinth with a water reservoir, pulsation damper and pipework for continuous circulation.

The pump head, measuring tank, pulsation damper and the water reservoir are manufactured from clear acrylic for maximum visibility.

The pump outlet is connected to both a sprung loading valve and a needle valve to investigate different loading characteristics.

A pressure relief valve protects the operator and the equipment.

An additional valve can be used to isolate or include the pulsation damper, allowing the effect of damping to be investigated

Electronic sensors measure the instantaneous cylinder pressure within the pump, the pump displacement and the cumulative flow over a period of time.

A small-scale plunger pump demonstration unit, comprising of a water reservoir, pump, control valve, relief valve and interconnecting pipework, all mounted on a stainless steel base

Equipped with electronic measurement sensors for cylinder pressure, plunger position, pump outlet pressure and cumulative flow

Includes both a sprung loading valve and a needle valve for loading the pump.

Facilities for logging, processing and displaying data graphically.

Pulsation damping facility

Transparent pump head for visibility

Supplied with software providing full instructions for setting up, operating, calibrating and performing the teaching exercises.

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