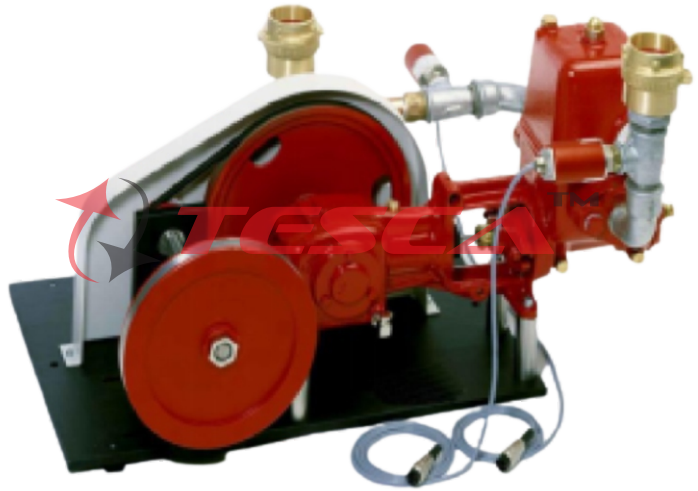


**Features:**

Investigation of the pump characteristic of a reciprocating pump

Tesca Reciprocating Pump Apparatus is used, when a high delivery head is required. The pump is fitted to a base plate ready for installation. The base plate is simply slid into trainer Basic Module Water Pumps and fixed in place. The unit is equipped with electronic sensors for recording intake and delivery pressure. The pump is connected to the experimental set-up using flexible hoses. To be able to interchange the pump easily and straightforwardly, the hoses are equipped with rapid action couplings. The motor necessary for the drive is fitted to the GFM 23 Universal Drive and Brake Unit.

**Specifications:**

- Reciprocating pump for operation on the GFM 32 Basic Module Water Pumps
- Pump complete with connections and sensors fitted to the base plate
- Maximum capacity: 1.5m<sup>3</sup>/h
- Maximum head: 60m WC
- Max. motor speed: 3000rpm
- Intake connection diameter 1"
- Delivery connection diameter 1"

**Experiments:**

Together with the GFM 32 Universal Drive and Brake Unit and the GFM 32 Basic Module Water Pumps, the following experiments are possible:

- Recording of pump curves
- Determination of the power requirement of the pump
- Determination of the hydraulic power output of the pump
- Determination of the pump efficiency
- Determination of the system characteristic and The operating point of the pump

**Services Required:**

Mains power supply: 220-240V, 1Ph, 50Hz

Note: Specifications are subject to change.

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