

**SAP E & C CENTRIFUGAL PUMP TEST RIG**  
(PRODUCT CODE: SAP -55A)



The **Centrifugal Pump Test Rig System (SAP - 55A)** outlines the basics of the operations and principle of working of Gear Pump.

**CENTRIFUGAL PUMP TEST RIG (SAP - 55A)**

**Technical Specification:-**

No.	Item Name	Technical Specifications
1	<b>Centrifugal Pump-</b>	Centrifugal, 1 1/2HP
2	<b>Motor-</b>	DC Motor or AC Motor 1 HP 3 $\phi$ 230V AC/415V AC Induction Motor , 1440RPM
3	<b>Sump tank-</b>	2.5' (L) X 2' (W) X2' (H)
4	<b>Rotameter-</b>	250 to 2500 LPH, , Glass tube type/acrylic body , Bob Material: SS 304 Connection: 1", Mounting: Inlet Bottom- Outlet Top
5	<b>Pressure gauge-</b>	i] Suction Pressure: (Vacuum Gauge)-760 to 0 mmHg, ii] Discharge Pressure: 0to4 Kg/cm <sup>2</sup>
6	<b>Drive-</b>	DC Drive: with Pot. / Speed Controller to vary speed of DC Motor / AC Drive to operate AC Motor with Input: Single Phase 230V AC, Output: Three Phase 230V AC, with Potentiometer to vary speed/frequency
7	<b>Energy Meter/ Wattmeter-</b>	Single phase

**SAP E & C CENTRIFUGAL PUMP TEST RIG**  
(PRODUCT CODE: SAP -55A)



**Instruction Manual-**

- ❖ Self explanatory.
- ❖ Operation manual will be provided with system.
- ❖ The detailed theories as well as practical exercises are included in the manual.

**Features-**

- ❖ Self-contained unit.
- ❖ Modern industrial components are used for operating.
- ❖ Comprehensive training manual supplied.
- ❖ Optional components are available to allow fault operation and diagnosis training.
- ❖ Caster wheel mounted movable frame.

**Objectives-**

- ❖ Study of characteristics of centrifugal pump.
- ❖ Study of testing efficiency of Centrifugal Pump

**Services Required-**

- ❖ 1 $\phi$  Electric Supply of 230 VAC, 50Hz
- ❖ Space required: Approx. 1mtr (L) X 1 mtr (W)

**Note-**

All descriptive matter and illustrations are intended to give only a general idea of the equipment  
Detailed specifications may be altered at the company's discretion without any notice.

