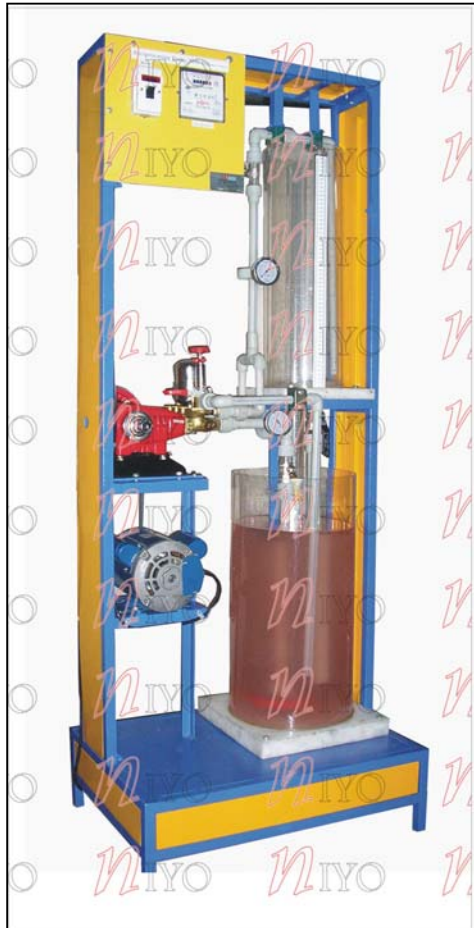


## RECIPROCATING PUMP TEST RIG

MODEL: PCF02



### FEATURES

- Compact, comprehensive, sturdy design
- Study of reciprocating pump

### DESCRIPTION

An invaluable aid in the effective understanding of the performance characteristics of a variety of reciprocating pumps. An electric motor is used as a drive unit. Optionally, it has a facility to vary the speed of the motor to get various performance parameters for better understanding. The unit has a facility to measure the power consumed.

### INSTRUCTION MANUAL

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Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

### LIST OF EXPERIMENT

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1. To study the construction and operation of a pump.
2. Determination of total head
3. Determination of power input and efficiency of a pump.
4. To study the performance characteristics of pump.

### COMPONENTS

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1. Reciprocating Pump
2. Pressure gauges
3. Flow measurement unit
4. Electric Motor
5. Sump tank
6. Input Power measuring arrangement

### OPTIONAL ADDITIONAL

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1. Step cone pulley arrangement
2. Variable speed drive unit (Electronic)
3. Digital tachometer

*Note: Details of attachments can be made available on request.*

### SERVICES REQUIRED

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1. Water supply and drainage arrangement
2. Electric supply

### MODEL

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PCF02-A: Sump Tank: MS, FRP lined, Flow Measurement: Using Rotameter

PCF02-B: Sump Tank: Plastic, Flow Measurement: Using Rotameter

PCF02-C: Sump Tank: SS, Flow Measurement: Using Rotameter

PCF02-D: Sump & Measuring Tanks: MS, FRP lined, Flow Measurement: Using Stop Watch

PCF02-E: Sump & Measuring Tanks: Plastic, Flow Measurement: Using Stop Watch

PCF02-F: Sump & Measuring Tanks: SS, Flow Measurement: Using Stop Watch

PCF02-G: Sump Tank: MS, FRP lined, Flow Measurement: Using Wheel Flow-meter

PCF02-H: Sump Tank: Plastic, Measuring Tank: NA, Flow Measurement: Using Wheel Flow meter

PCF02-I: Sump Tank: SS, Flow Measurement: Using Wheel Flow meter

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