

SAP E&C COMPRESSOR TEST RIG (SAP-75)



Introduction:

The Compressor Test Rig outlines the basics of operation and testing of Two stage Compressor.



TECHNICAL SPECIFICATIONS:

- ❖ Compressor:- Two stage, compressor with pressure switch. Speed:- 700 RPM, Max. pressure:-10kg/cm², Tank capacity: 130 Liters
- ❖ Motor:- 3 Phase, 415V AC, 3H.P. motor
- ❖ Air drum with orifice.
- ❖ Energy meter.
- ❖ Temperature Indicator:- 4 point temperature indicator, I/P; RTD(PT-100)
- ❖ RPM Indicator:- Tachometer with inductive pickup sensor, Range: 50,000RPM
- ❖ Temperature sensor:- 4nos., RTD (PT-100 type).
- ❖ Pressure gauges:- 0-10kg/cm², 2.5" dial, (02 nos.) and 0-20kg/cm², 2.5" dial (01 no.)
- ❖ Manometer:- with graduated scale, MOC: Glass, 0-300mm

INSTRUCTION MANUAL

Self explanatory operation manual will be provided with system. Detailed theories as well as practical exercises are included in the manual.

OBJECTIVES:

1. Study of working of Two Stage Air compressor.
2. Study of calculation of efficiency of compressor.

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FEATURE:

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Leak proof Safety Measures, & Robust Construction.
- ❖ Enhanced Electrical Safety Considerations.
- ❖ Training Manuals & mimic Charts for Operation Ease.
- ❖ M.S. powder coated panel with standard Instrument Mountings.
- ❖ Inbuilt Safety Measures to avoid improper usage.
- ❖ Comprehensive training manual supplied.

SERVICES REQUIRED:

- ❖ Single-phase electrical supply of 230V AC.
- ❖ Three phase electrical supply of 440V AC.

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 notice.

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