



The Gear Pump Test Rig System (52336) outlines the basics of the operations and principle of working of Gear Pump

#### Features

- 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.
- Caster wheel mounted movable frame

#### Objectives

- Study of working of Two Stage Air compressor.
- Study of calculation of efficiency of compressor.

#### Services Required

- 1 $\phi$  Electric Supply of 230 VAC, 50Hz
- 3 $\phi$  Electric Supply of 440 VAC, 50Hz

#### Technical Specification

No.	Item Name	Technical Specifications
1	Gear Pump	Mounting: Foot Mounting, Suction Con: 1/2", Discharge Conn: 1/2", Maximum O/P Pressure: 3000psi, Speed Range: 500-4000 rpm, 3-6 LPM.
2	Oil Reservoir	Dimensions: 1"×1"×1", with Oil Indicator
3	Pressure Gauge	Range: 0-160 kg/cm <sup>2</sup>
4	Vacuum Gauge	Range: -760-0 mmHg
5	Rotameter	0-10 LPM
6	Energy Meter	Input Supply: 415 V, 3 $\phi$ AC
7	Electrical control Panel	

Note: Specifications are subject to change.

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