

Double Stage Air Compressor Test Rig



Product Categories: [Engineering Equipment](#), [Hydraulic Lab](#)

Product Page:

<https://www.labappara.com/product/double-stage-air-compressor-test-rig/>

Product Description

Double Stage Air Compressor Test Rig

DESCRIPTION:

Two Stage Air Compressor Test Rig consists of a double stage reciprocating type air compressor driven by 2 HP Motor through a belt. The outlet of the air compressor is connected to reservoir (Tank) and suction is connected to another air tank with a calibrated orifice plate and a water manometer. Bellow is fitted on one side of the air tank to regulate the flow. Temperature of inlet air, after single compression, inlet and outlet of second compression and pressure in reservoir and at intermediate stage can be measured by Temp. Sensors and gauges.

TECHNICAL DETAILS:

Compressor	:	Double Stage, Double Cylinder.
Capacity	:	6.9 CFM max.
Working Pressure	:	Max. 7 kg/cm ²
Motor	:	2 HP Crompton/Standard make, Swinging
Field type	:	
Spring Balance	:	10 kg, Dial type

Flow Measurement	:	Orifice meter with Manometer
Temperature Measurement	:	RTD PT-100 type sensor (4 nos.)
Air Tank	:	Capacity 150 Ltrs. with safety valve shut off valve,
Pressure Gauge	:	Bourdon Type.
RPM measurement	:	RPM Indicator with Proximity sensor.
MCB	:	For overload protection

The whole set-up is well designed and arranged in a good quality painted structure.

Features:

- Long working life
- High strength
- Easy installation