



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

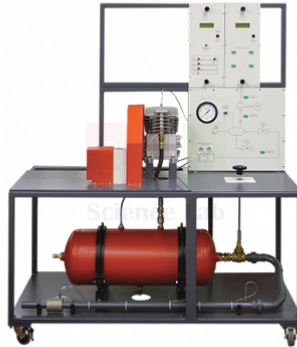
Phone: +91-8759245890

Product Name :

Reciprocating Compressor

Product Code :

SLE/EFM/07



Description :

- Reciprocating compressors are common machines that provide compressed air for machines and tools.
- These can be air tools, paint spray equipment, pneumatic actuators and control systems.
- Air enters the compressor, which then delivers it under pressure to the receiver.
- A valve releases pressure from the receiver to atmosphere through an orifice.
- The separate Universal Dynamometer measures the speed, torque and power absorbed by the compressor.
- Speed is fully variable up to the maximum allowable for the compressor.
- The valve sets the pressure in the receiver and hence the flow rate; the orifice allows an accurate measurement of the mass flow rate of the outlet air.
- The module includes a small compressor with an air receiver and instrumentation, all mounted on a robust, mobile trolley for ease of use.
- These values help students to discover how the compressor flow rate relates to the pressure delivered by the compressor.

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plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010