

ETHER ENGINEERS

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Manufacturers & Exporters of Engineering, Scientific & Laboratory Equipments

GEAR PUMP TEST RIG (EE-1541) (WITH A.C. MOTOR, 3 SPEEDS WITH STEP CONE PULLEY)

Gear Pump Test Rig consists of a sump, a Gear pump, an AC motor and measuring tank. To measure the head, Pressure and Vacuum gauges are provided. To measure the discharge, a measuring tank is provided. Flow diversion system is provided to divert flow from sump tank to measuring tank and from measuring tank to sump tank. A valve is provided in pipeline to change the rate of flow.

SCOPE OF EXPERIMENTATIONS:

To determine the overall efficiency of Gear pump
To Plot Head Vs. Discharge, Pump efficiency Vs. Discharge

UTILITIES REQUIRED:

Water Supply.
Drain
Electricity 220V AC, Single Phase.
Space required: 1.6 x 0.6 m.



TECHNICAL SPECIFICATION:

Pump : 1 HP, 2800 RPM

Drive : AC Motor with step cone pulley arrangement for 3

Prefixed speeds.

Supply Tank : Capacity 60 Ltrs.

Measuring Tank : Capacity 40 Ltrs.

Control panel : with required electrical instrumentation

Stop Watch : Electronic

Tanks will be made of Stainless Steel.

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