

Product Name :
Jet Pump Test Setup

Product Code :
HML0010



Description :

Jet Pump Test Setup

Technical Specification :

The Set-up is designed to study the performance of Jet Pump. The Set-up consists of a Mono-Block Jet Pump coupled with electrical motor, supply tank, measuring tank & pipe fittings for closed loop oil circulation. Pressure and Vacuum Gauges are connected on delivery and suction side of pump for the purpose of measurement. The flow rate of water is measured using measuring tank and stop watch provided.

EXPERIMENT:-

- To determine overall efficiency and pump efficiency of the Jet Pump
- To plot Head vs. Discharge, Pump efficiency vs. Discharge

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- **FEATURES:-**

- Closed loop water circulation
- Compact & stand alone set-up
- MS Excel sample calculation program on demand
- Stainless Steel tanks and wetted parts
- Superb painted structure
- Simple to Operate & Maintain

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- **UTILITIES REQUIRED:-**

- Electric Supply: - Provide 230 +/- 10 VAC, 50 Hz, Single Phase Electric Supply with proper earthing. (Neutral – Earth voltage less than 5 VAC) 5 A, three pin socket with switch for pump.
- Water Supply: Tap water connection ½ "BSP, Distilled water @ 90 Ltrs. (Optional)

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- **TECHNICAL SPECIFICATIONS: -**

- Product : Mono - Block Jet Pump Test Rig
- Pump & Drive : Mono – Block Jet Pump, Size 32 mm x 25 mm x 25 mm (Suction x Pressure x Delivery), Capacity 1 HP
- Supply Tank : Capacity 70 Ltrs.
- Measuring Tank : Capacity 50 Ltrs fitted with Piezometer Tube & Scale
- Medium Flow : Clear Water
- Piping : GI / PVC
- Stop Watch : Electronic
- Pressure Gauge : Bourdon Type
- Control Panel : Comprises of Energy Measurement : Energy meter Electronics, L & T make
- MCB : For Overload Protection Standard make On/Off Switch, Main Indicator etc.
- The whole Set-up is well designed and arranged in a good quality painted structure, Civil Engineering Laboratory Equipments Suppliers, Mechanical Engineering Laboratory Equipments Suppliers
 , Engineering Teaching Aids, Models Equipments Theory of Machine Lab Suppliers, Hydraulics Laboratory Equipment and Apparatus

Naugra Export

Website: www.naugraexport.com, **Email:** sales@naugraexport.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, 2601773