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## MOTORISED HYDRAULIC TEST PUMP "MHT" SERIES

### APPLICATIONS FOR HYDRAULIC TESTING OF

- Boilers
- Pressure Vessels
- C.I. Mains
- Castings parts
- Gas Cylinders
- Pipes and Tubes Parts Subjected to Hydraulic Pressure Standard Accessories
- M.S. Fabricated Pail
- Brass Foot Valve
- G.M.J.S.S Check Valve
- Brass Pressure Release Cock
- Pressure Hose With Attachments
- Pressure Gauge
- Pressure Gauge For Testing Up to 705 kg/cm<sup>2</sup> (10,000 PS.I.)



### PERFORMANCE RANGE

Test Pressure Up to 1000 kg/cm<sup>2</sup>,  
Water Flow Capacity up to 150 LPH,  
Motor Up to 7.5 hp

<b>PUMP MODEL</b>	<b>PRESSURE KG/CM2</b>	<b>CAPACITY IN LPH</b>	<b>MOTOR KW / HP</b>	<b>MOTOR RPM</b>
MHT-70	70	150	0.75 / 1	1440
MHT-140	140	150	1.5 / 2	1440
MHT-211	211	110	2.2 / 3	1440
MHT-350	350	110	3.7 / 5	1440
MHT-500	500	90	3.7 / 5	1440
MHT-700	700	90	3.7 / 5	1440
MHT-1000	1000	90	5.5 / 7.5	1440

### **SPECIAL FEATURES**

- Electric Motorised driven system
- Totally Enclosed drive Mechanism
- Heavy duty precision gear box
- Large Air Chamber
- Self Oiling system quick acting Relief valve
- Totally Dependable , Reliable and Efficient performance.

### **STANDARD ACCESSORIES**

- Pressure Release cock made from brass metal
- Discharge pressure hose with attachment of ½” BSP Length 2 Mtrs.
- Stainless Steel Glycerin Filled Pressure gauge with 4” Dial
- Suction & Discharge valve (NRV) Made from stainless steel material
- Pressure set valve made from Stainless steel
- Pump air chamber made from Mild steel
- Pump stand made from Mild steel 3” x 1 ½” C Channel

### **OPTIONAL ACCESSORIES**

- Water tank with water capacity of 50 Liters 7 made from Mild steel metal
- Suction Hose with 1mtrs Long
- Pump Trolley with four wheels
- Pulley Guard made from Mild steel

## **MATERIAL OF CONSTRUCTION**

**CRANKCASE:-** Made of close grain cast iron body with top Inspection Cover which makes the entire crank mechanism easily accessible for maintenance inspection and spares replacement. Heavy duty (Bull - Dozer Type) Construction Provides Practically vibration free operation bringing long trouble free performance.

**GERING:-** Heavy duty hob cut gears with eccentric, running on EN-8 shaft built in reduction gear drive with M.S. pinion and shaft.

**BEARINGS:-** The drive shaft is supported by Ball Bearings.

**LUBRICATION:-** Splash lubrication is maintained by gears splashing up oil from sump.

**PLUNGER:-** Harden & ground plunger offers corrosion & abrasion resistance and permits long life.

**VALVE BODY:-** Heavy duty M.S. body with G.M. working parts is specially designed for high pressure working. The passages allows branching and merging of suction and discharge flows with minimum losses.

**N.R.V. VALVES:-** SS or GM Valves. Valve seats, and springs are practically free from corrosion and can without fatigue.

**CYLINDER:-** M.S. Fabricated for Heavy duty service.

**SEALS:-** Synthetic rubber seals are used for leakproof and long working life.