



# Product Catalogue

Plot No. H32, MIDC, Additional Murbad, Dist. Thane – 421 401

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### **HYDRAULIC TANK JACKS**

The Hydraulic Tank Lifting Equipment is a setup of a number of trestles, inter-connected using high pressure hydraulic hose. The setup is connected to a manifold block which is further connected to a high pressure power pack. The oil is released using high-pressure from the hoses which assist the jacks to lift the tank.

	<b>12MT Hydraulic Tank Jacks</b>	<b>18MT Hydraulic Tank Jacks</b>
<i>Effective Max. Lifting Height</i>		Upto 3000mm / 3m / 118.110 in.
<i>Effective Stroke Length</i>		110mm ± 3 mm
<i>Max. Lifting / Lowering Capacity</i>	12MT	18MT
<i>Testing Pressure</i>	165 bar or 169 kg/cm <sup>2</sup>	195 bar or 200 kg/cm <sup>2</sup>





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**POWER PACKS**

	<b>10HP</b>	<b>15HP</b>	<b>20HP</b>
<i>Rating</i>	10HP Model	15HP Model	20HP Model
<i>Power</i>	415V, 50Hz, 3P	415V, 50Hz, 3P	415V, 50Hz, 3P
<i>Enclosure</i>	General Purpose, Weather Proof	General Purpose, Weather Proof	General Purpose, Weather Proof
<i>Motor RPM</i>	1455 RPM	1455 RPM	1455 RPM
<i>Tank Capacity</i>	200 Liters	250 Liters	300 Liters
<i>Pressure</i>	20 lpm @ 175 bar	26 lpm @ 175 bar	39 lpm @ 175 bar
<i>Accumulator</i>	2.5 liters	2.5 liters	2.5 liters
<i>Starter</i>	DOL Starter	DOL Starter	DOL Starter





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**HYDRAULIC HOSES & HYDRAULIC OILS**

**R1 High Pressure Hydraulic Hose (for 12MT)**

- Lining: Black Oil Resistant – Synthetic Rubber
- Reinforcement: One high-tensile steel wire braid
- Temperature Range: -40°C to +93°C
- Nominal Bore: 3/8" or 9.5mm
- BSP End Fittings: 1/2"
- Working Pressure: 180 bar

**R2 High Pressure Hydraulic Hose (for 18MT)**

- Lining: Black Oil Resistant – Synthetic Rubber
- Reinforcement: Double wire braid (high-tensile steel wire)
- Temperature Range: -40°C to +93°C
- Nominal Bore: 3/8" or 9.5mm
- BSP End Fittings: 1/2"
- Working Pressure: 275 bar

**Chart of Equivalent Hydraulic Oils to be used:**

**Anti-wear Hydraulic oil**

Shell	Tellus 68
Indian Oil Corp. ( <i>Indian</i> )	Servo System-68
Hindustan Petroleum Corp. ( <i>Indian</i> )	Enklo 68
Bharat Petroleum Corp. ( <i>Indian</i> )	Hydrol-68
Castrol	Castrol EP-68
Gulf	Harmony AW68
Veedol	Avlon - 68
Total	Azolla 68
Meguin	megol Hydraulic Aw-68



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### **APPLICATION**

There are difference types of tanks that can be erected using our 12MT/18MT Hydraulic Tank Jacking Equipment:

- Floating Roof Tanks
- Double Walled Tanks
- Column Supported Tanks
- Storage Silos
- Tanks at an Elevation

There are various applications of our 12MT/18MT Hydraulic Tank Jacks. It can be used for:

- Fabrication of Tanks
- Dismantling of Tanks
- Increase the height of Tanks
- Decrease the height of Tanks
- Increase the diameter of the Tanks
- Decrease the diameter of the Tanks
- Relocate Tanks
- Replace Tank Bottoms
- Repair Tank Bottoms



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**Technical Specifications for Vacuum Box (for tank bottom testing using Soap-Bubble method)**

<i>Item</i>	<i>Dimensions</i>	<i>Quantity (in nos.)</i>
1. MS Vacuum Box	1000mm lg x 200mm 1500mm lg x 200mm	01
<i>Items fitted in each Vacuum Box:</i>		
a. Acrylic Sheet	1¼" x 1½"	01
b. Rubber Lining		01
c. Gasket Sheet		02
d. ½" Ball Valve		01
e. ½" Nipple		02
f. Vacuum Gauge		01

**Vacuum Pump**

<i>Particulars</i>	<i>Specifications</i>
Vacuum Pump	2 Stage
Power	½ HP
Voltage	220V ~ 50Hz
Vacuum	3.75 x 10 <sup>-4</sup> mm HG / 0.04995 Pa / 0.001044 psf
Free Air Displacement	4 CFM
Oil Capacity	250ml

**Note:**

We have two standard lengths of vacuum box, 1000mm and 1500mm long, though they can be made as per client's specific requirement (Min 250mm & Max 2000mm)





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### **Tank Construction Accessories**

- Tank Jack Elevators
- Jack Cleats
- Deck Scaffolding Plank
- Deck Scaffolding Leg
- Deck Scaffolding Clamp
- Stopper Plate
- Shim Plate
- Wedges