



Product Catalogue

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SURYODAY TECHNOLOGIES

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.

	12MT Hydraulic Tank Jacks	18MT Hydraulic Tank Jacks
<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 ²	195 bar or 200 kg/cm ²





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POWER PACKS

	10HP	15HP	20HP
<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	250 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
- Replace Tank Bottoms
- Repair Tank Bottom
- Decrease the diameter of the Tanks
- Relocate Tanks