

# Product Catalogue



## **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

Effective Max. Lifting Height Upto 3000mm / 3m / 118.110 in.

Effective Stroke Length 110mm ± 3 mm

Max. Lifting / Lowering Capacity 12MT 18MT

Testing Pressure 165 bar or 169 kg/cm<sup>2</sup> 195 bar or 200 kg/cm<sup>2</sup>





## **POWER PACKS**

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





## **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: ¾" or 9.5mm

BSP End Fittings: ½"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: ¾" or 9.5mm

BSP End Fittings: ½"Working Pressure: 275 bar

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

## **Anti-wear Hydraulic oil** Shell Tellus 68 Indian Oil Corp. (Indian) Servo System-68 Hindustan Petroleum Corp. (Indian) Enklo 68 Bharat Petroleum Corp. (Indian) Hydrol-68 Castrol Castrol EP-68 Gulf Harmony AW68 Veedol Avlon - 68 Azolla 68 Total Meguin megol Hydraulic Aw-68



## **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



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

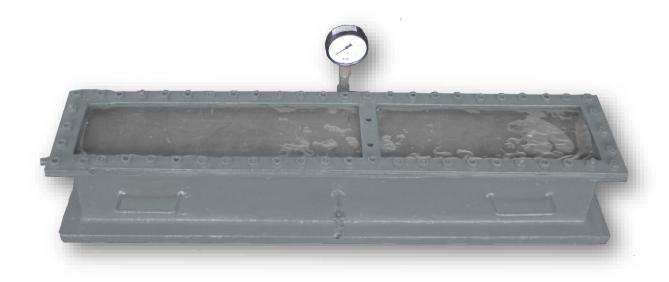
Item	Dimensions	Quantity (in nos.)
1. MS Vacuum Box	1000mm lg x 200mm	01
	1500mm lg x 200mm	
Items fitted in each Vacuum Box:		
a. Acrylic Sheet		01
b. Rubber Lining	1¼" x 1½"	01
c. Gasket Sheet		02
d. ½" Ball Valve		01
e. ½" Nipple		02
f. Vacuum Gauge		01

## Vacuum Pump

Particulars	Specifications
Vacuum Pump	2 Stage
Power	½ HP
Voltage	220V ~ 50Hz
	3.75 x 10 <sup>-4</sup> mm HG /
Vacuum	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)





## **Tank Construction Accessories**

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