



**OUR UNIT:-**

## **M/s. LAKSHMI VESSELS & EQUIPMENTS**

Address:- Khasra No.93/13 & 93/18 Gali No.1A Mundka Industrial Area, Mundka, New Delhi-110041

Contact #+91-9999497711 Email ID: lakshmi.vessels41@gmail.com

GSTIN : 07AFLPJ3357B1ZN

## Storage Tank Manufacturer

## Storage Tank Horizontal / Vertical

### FROM PETROCHEMICAL TO PHARMACEUTICALS...

LVE is a leading storage tank manufacturer and has the expertise to design and fabricate above ground / underground storage tanks to meet your industrial needs. We can provide the highest quality single-wall and double-wall storage tanks up to 100 KL capacity. Storage tanks are designed, built and tested to meet ASME standards. Tanks are available in Carbon Steel, Stainless Steel, Aluminum or Nickel Alloy materials.



Other tank options available include Internal and external coatings, polished stainless steel finishes, internal heating /cooling coils, half pipe jackets, dimpled jackets, heat tape systems, submersible or dry well heaters just to name a few. LVE can also insulate your storage tank and provide a protective carbon steel, aluminum or stainless steel insulation skin prior to shipment.

LVE is here to serve you and provide the highest quality custom built storage tanks to meet your application requirements. We welcome the opportunity to provide you a quote.



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# PRESSURE VESSELS & REACTORS

## SS REACTORS / MIXING TANKS / AGITATED TANKS



All LVE Pressure Vessels and Reactors are designed and fabricated in strict accordance with ASME (Section VIII, Division I). ASME vessels can be fabricated from Carbon Steel, Stainless Steel or Nickel Alloy materials.

The ASME code may encompass the primary vessel only or the entire assembly which may include heating / cooling jackets, internal coils or other pressure retaining components.

With LVE's years of experience, we have built a vast array of Pressure Vessels & Reactors with wall thickness exceeding 25mm, diameters up to 5 meter and weighing up to 10 tons. Due to the many different industries we serve, our experience in design and fabrication of Pressure Vessels & Reactors is immense.

All LVE welders are required to pass stringent performance requirements as per ASME Section IX prior to welding on any Vessel or

Reactor. They are approved by various consulting agencies including Lloyds Register

- Dimpled, Half-Pipe (Limpet Coil) and Conventional Jackets
- Internal Heating/Cooling Coils
- Polishing #3 to #8 Mirror Polish (upto 400 Grits)
- Support Legs, Lugs, Skirts and Saddles
- Seismic and Wind Loading design

### Features:

- ❖ Options include Reaction Vessel (in jacketed / Limpet finish).
- ❖ Capacity ranging from 1000 liters to 15,000 liters.
- ❖ Material of Carbon Steel and Stainless Steel and depending on the requirement of the Material to be processed.
- ❖ Functional accuracy
- ❖ Dimensional stability
- ❖ Requires Less maintenance
- ❖ Easy operations



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# HEAT EXCHANGERS

LVE designs and fabricates all three types of Shell & Tube Heat Exchangers: Fixed Tubesheet, U-tube and Floating Tubesheet.

Shell & Tube Heat Exchangers are used in applications where the demands from high temperatures and pressures are significant.



LVE is here to serve you and provide the highest quality custom built Shell & Tube Heat Exchangers to meet your application requirements.



## FEATURES:

- As per ASME / TEMA
- Options include Condenser (Fixed Tube / UTube)
- Capacity ranging from 5 m<sup>2</sup> to 100 m<sup>2</sup> in
- Material of Construction Mild Steel and Stainless Steel
- Functional accuracy
- Dimensional accuracy
- Heavy duty drilling capacity

## Heat Exchanger / Condensor

- Fixed Tube Type
- U Bundle Type
- Shell & Tube heat exchangers
- Manufacturing under various third party



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# DISTILLATION COLUMNS

## EXPERT ENGINEERS WITH ON-SITE MANUFACTURING

We fabricate our **distillation columns** with both tray columns and packed columns, with internal trays and packing usually supplied by the customer (however our designs include support rings for trays or packing). The distillation columns to meet ASME Section VIII Div 1 and 2.

### Batch and Continuous Distillation Columns

- In batch distillation column operation, feed to column is introduced batch-wise and then distillation process is carried out
- At completion of task, next batch of feed is introduced
- In continuous distillation columns, the process involves a continuous feed stream where there are no interruptions
- These type of columns are able to handle high throughputs

### Specifications :

Can be delivered in capacities up to 500 M<sup>3</sup> (5,00,000 Liters water volume)

- Can be delivered in diameters of up to 1.5 meters
- Can be delivered in shell and dished end thicknesses of up to 6 mm or more
- Can be delivered in weights of up to 5 MT or more
- Can be delivered in lengths of up to 35 meters or more (with field / flange joints)



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# Design Specifications

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We fabricate many more items as per client specification and drawing



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