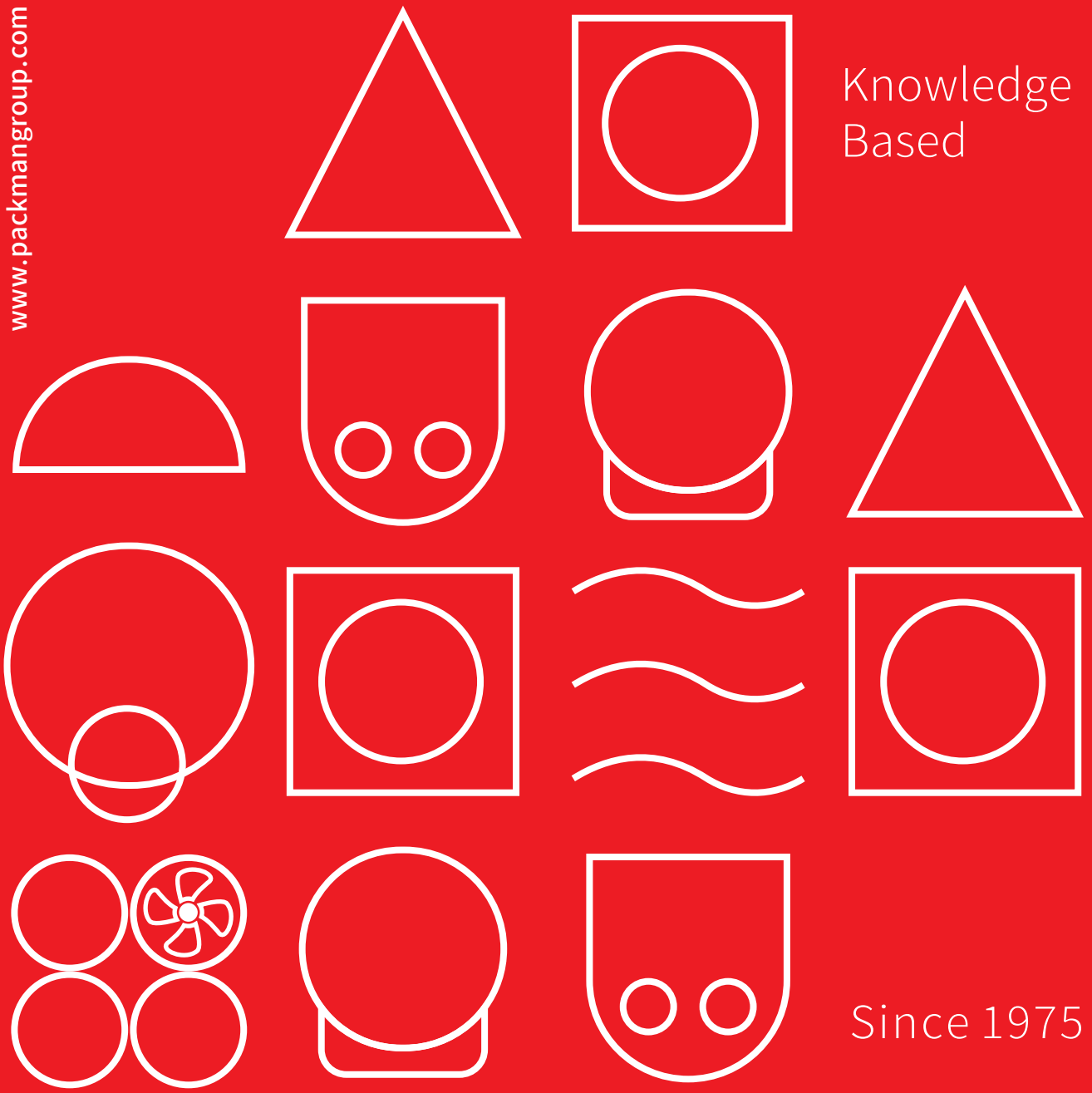


www.packmangroup.com



Knowledge Based

Since 1975



**PACKMAN**  
Industrial Group

 Oil Storage tank



# Oil Storage Tank



## **Product Description**

An Oil Storage Tank, having a capacity sufficient to contain all the oil in the system, must be installed in every oil heater system. In case of any emergency or required repair, the entire contents of the system can be emptied into this storage tank. Oil storage tanks are designed in horizontal cylindrical forms for the purposed collection the storage of the oil contained in the heater and the circuit. They are built with mild steel with external bitumen lining and complete with bottom valve, manholes and nozzles for connection to the plant.

### **PACKMAN Oil Storage Tank Properties**

PACKMAN Oil Storage Tanks are made of St37 steel plates (recommended for construction of pressure vessels with no direct fire contact). In case of customer's request, the tank can be made of 17MN4 (suitable for boiler construction) without any change in product's price.

### **Manufacturing Standards**

ASME Sec VIII, Div. 1 is observed in construction of oil storage tanks.

### **Torispherical / Elliptical Head**

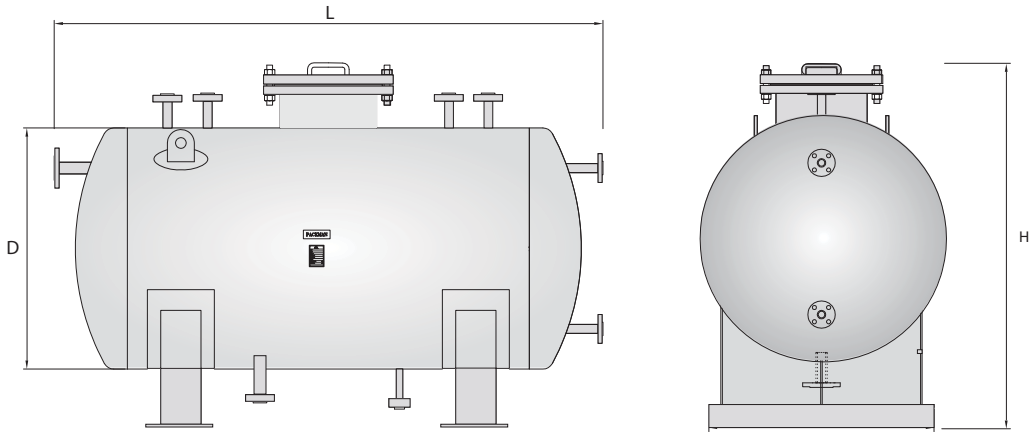
PACKMAN's oil storage tank's heads are Elliptical which are more reliable than torispherical heads. This type of head has a longer life and a higher pressure strength compared to other shapes with the same thickness. The production price per kilo of these heads can reach up to twice the price of the usual heads on the market.

### **Welding Procedure**

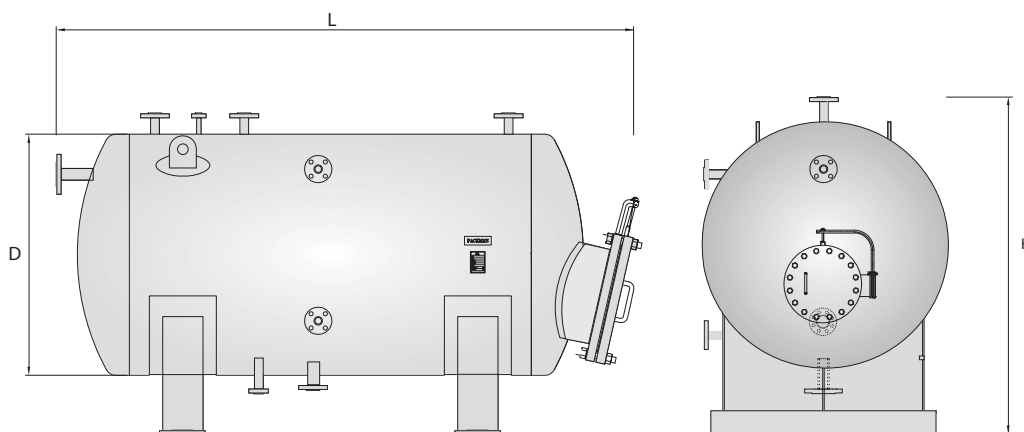
Welding is done with the Swedish ISBU submerged arc welding equipment. After constructing the tank and welding the lugs, the body of the tank is connected to the heads with a submerged welding method. The head is welded internally and externally, in order to increase the head's life and strength.

### **Product Capacity Calculation & Selection:**

The volume of the thermal oil storage tank should be selected considering the fact that contents of the system can be emptied into this storage tank.



Model	Unit	POST-8	POST-10	POST-15	POST-20	POST-25
<b>Technical Data</b>						
Design Standard	-	ASME SEC. VIII. DIV.1				
Vessel Type	-	Horizontal				
Volume Capacity	liter	800	1,000	1,500	2,000	2,500
<b>Connectoins Size</b>						
Man Hole	in	14	14	14	14	16
Inlet	in	1	1	1 1/2	1 1/2	2
Vent	in	1	1	1	1	1
Expansion Tank Connection	in	1	1	1	1	1
Return	in	1	1	1	1	1 1/2
Overflow	in	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Outlet	in	1 1/2	1 1/2	1 1/2	1 1/2	2
Level Gauge	in	1	1	1	1	1
Drain	in	1	1	1	1	1
<b>Material</b>						
Shell	-	Carbon Steel				
Toris Head	-	Carbon Steel				
<b>Vessel Dimensions</b>						
Vessel Diameter (D)	mm	800	900	1,100	1,200	1,320
Vessel Length (L)	mm	2,200	2,200	2,200	2,200	2,200
Vessel Height (H)	mm	1,200	1,400	1,600	1,800	1,900



Model	Unit	POST-30	POST-40	POST-50	POST-60	POST-70	POST-80	POST-90	POST-100	POST-120
<b>Technical Data</b>										
Design Standard	-	ASME SEC. VIII. DIV.1								
Vessel Type	-	Horizontal								
Volume Capacity	liter	3,000	POST-40	5,000	6,000	7,000	8,000	9,000	10,000	12,000
<b>Connectoins Size</b>										
Man Hole	in	16	16	16	16	16	16	16	16	16
Inlet	in	2	2 1/2	2 1/2	3	3	3	3	3	3
Vent	in	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Expansion Tank Connection	in	1	1	1	1	1	1	1	1	1
Return	in	1 1/2	2	2	2	2	2	2	2	2
Overflow	in	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Outlet	in	2	2 1/2	2 1/2	3	3	3	3	3	3
Level Gauge	in	1	1	1	1	1	1	1	1	1
Drain	in	1 1/2	2	2	2	2	2	2	2	2
<b>Material</b>										
Shell	-	Carbon Steel								
Toris Head	-	Carbon Steel								
<b>Vessel Dimensions</b>										
Vessel Diameter (D)	mm	1,320	1,590	1,590	1,750	1,750	1,910	1,910	1,910	1,910
Vessel Length (L)	mm	2,600	2,650	3,200	3,300	3,600	3,400	3,800	4,300	5,100

# PACKMAN GROUP

## History

The Packman Company was founded in February 1975, and was soon afterwards registered in companies Registration Office. In early years the Packman construction and service branch focused on building installations. Different mega power plants were built by cooperating with Brown Boveri and Asseck companies in 1976.

The company started its official activities in construction of High-Pressure Vessels such as Hot-Water Boilers, Steam Boilers , Storage Tanks, Softeners and Heat Exchangers from 1984.

Packman Company is one of the first companies which supplied the high quality and standard hot water boilers to the customers.

Packman has exported its products to countries such as Uzbekistan, United Arab Emirates and other countries in the Middle East. It is one of the largest producers of hot-water and steam boilers in the Middle East.

Now we are proud to announce that the Packman industrial group has five major sub-brands that have product titles in all field of HVAC equipment and engineering services, and we do not know this success except with the help and support of our customers.

1. Construction Services Industry Association
2. Industry Association
3. Construction Companies' Syndicate
4. Technical Department Association
5. Mechanical Engineering Association
6. Engineering Standard Association

### Departements:

#### Sales Deps:

- ∩ Power Plant & Petrochemical
- ∩ Industrial
- ∩ Hospitally Service
- ∩ Commercial & Residential
- ∩ Sport Complex & Pool

#### Technical Deps:

- ≡ Manufacturing R&D
- ≡ Innovation Center
- ≡ EPC Execute Unit
- ≡ Product Develop Unit
- ≡ Sales Engineering Dep.

#### Others:

- ≈ After Sales Service
- ≈ Project Control
- ≈ Financial Office
- ≈ Commercial Office
- ≈ Marketing Department





# PACKMAN GROUP Brands



**PACKMAN**  
Industrial Group

Designer & manufacturer of Condensing, Hot Water, Steam, Hot Oil & Waste Heat Boilers, Heat Exchangers, Autoclave Pressure & Storage Vessels & etc



**GREENMAN**  
Green mindset, green future

Engineering & Designing Commercial Greenhouse Plant, CO2 Dosing System, Flue gas Condenser & Special HVAC Systems, Sustainable Agriculture & etc



**ROMAN**  
Water solution

Designer & manufacturer Reverse Osmosis Plant & Package, Water Treatment, Softener & Filters and Chemical Dosing Systems & etc



**RAADMAN**  
a look to the future

Designer & manufacturer of Industrial Mono & Dual Block Gas, LPG, Light & Heavy Oil Burners, Premixed & Postmixed Burners, Water tube burners, Process burners, Special application burners & Combustion Solutions & etc



**CHILLMAN**  
Coolest hvac around

Designer & manufacturer of Air & Water Cooled Chillers, Air Handling Units, Fancoil, HVAC Equipment, Cold Storage Room & etc



1. Isfahan Factory



2. Vilashahr Factory



3. Parand Factory



4. Parand (2) Factory



5. Bonyad Factory

# SOME OF Certificates are





# Knowledge Based



**PACKMAN**



**GREENMAN**



**ROMAN**



**RAADMAN**



**CHILLMAN**

+9821 42 362

[www.packmangroup.com](http://www.packmangroup.com)

No 14, 10th Alley, Beihaghi St., Argentina Sq., Tehran-Iran