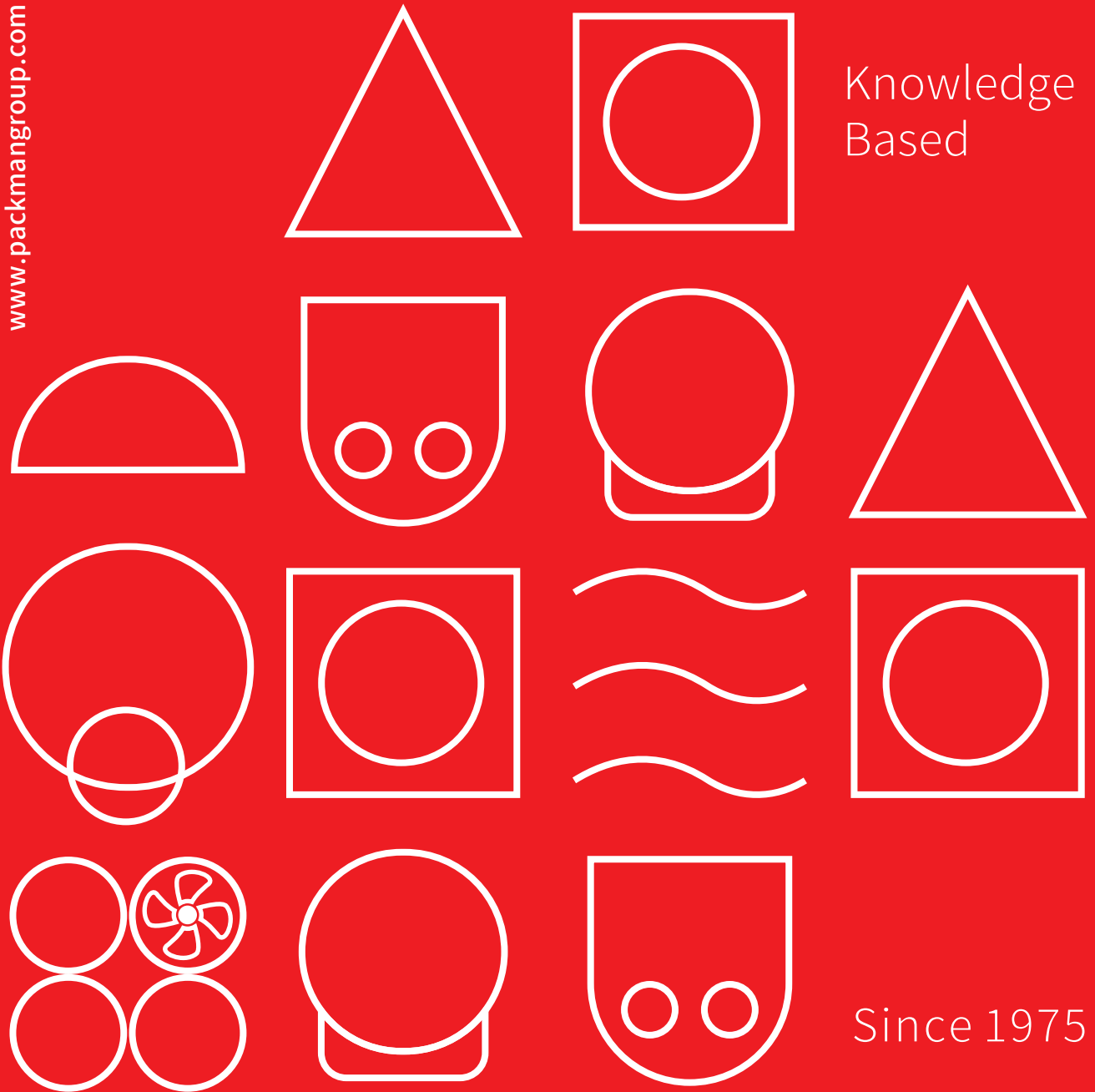


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Knowledge
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Since 1975



PACKMAN
Industrial Group

 Oil Storage tank
powered by PACKMAN industrial group



Oil Storage Tank

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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

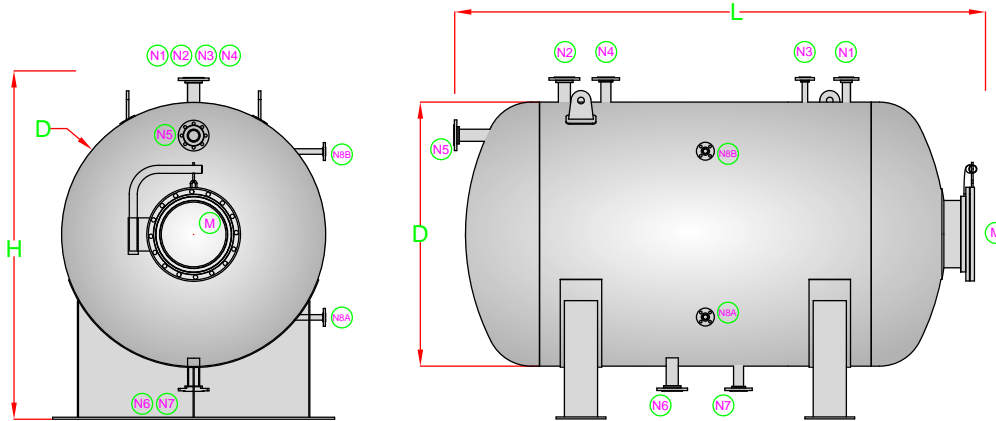
PACKMAN's oil storage tank's heads are Elliptical which are more reliable than torispherical heads. This type of head has a longer life and a higher pressure strength compared to other shapes with the same thickness. The production price per kilo of these heads can reach up to twice the price of the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

Welding Procedure

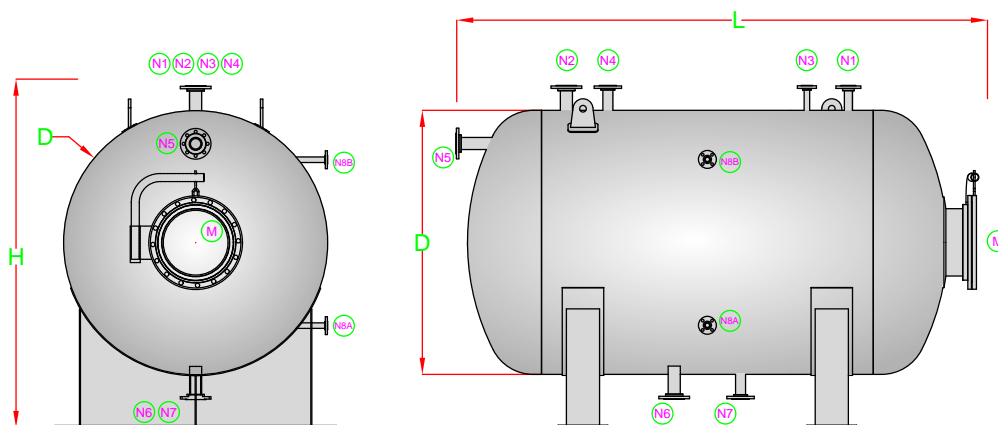
Welding is done with the Swedish ISBU submerged arc welding equipment. After constructing the tank and welding the lugs, the body of the tank is connected to the heads with a submerged welding method. The head is welded internally and externally, in order to increase the head's life and strength.

Product Capacity Calculation & Selection:

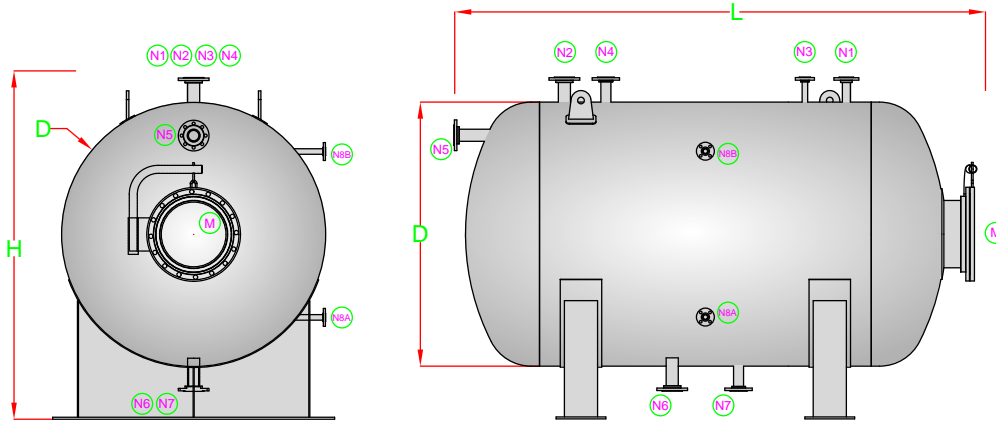
The volume of the thermal oil storage tank should be selected considering the fact that contents of the system can be emptied into this storage tank.



Model	Unit	POST-300	POST-400	POST-500	POST-800	POST-1000	POST-1500
Technical Data							
Design Standard	-	ASME SEC. VIII. DIV.1					
Vessel Type	-	Horizontal					
Volume Capacity	liter	300	400	500	800	1000	1500
Connectoin Size							
Hand Hole (M)	in	8	8	8	-	-	-
ManHole (M)	in	-	-	-	14	14	14
Vent (N1)	in	1	1	1	1	1	1
Oil Inlet (N2)	in	1	1	1	1	1	11/2
Expansion Tank Connection (N3)	in	1	1	1	1	1	1
Return (N4)	in	1	1	1	1	1	1
Over flow (N5)	in	1	1	1	11/2	11/2	11/2
Outlet (N6)	in	1	1	1	11/2	11/2	11/2
Drain (N7)	in	1	1	1	1	1	1
Level Gauge (N8A,N8B)	in	1	1	1	1	1	1
Material							
Shell	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request					
Head	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request					
Vessel Dimensions							
Vessel Diameter (D)	mm	600	600	600	800	900	1100
Vessel Length (L)	mm	1550	1750	2050	2100	2100	2200
Vessel Height (H)	mm	1000	1000	1000	1550	1650	1900



Model	Unit	POST-2000	POST-2500	POST-3000	POST-3500	POST-4000	POST-5000
Technical Data							
Design Standard	-	ASME SEC. VIII. DIV.1					
Vessel Type	-	Horizontal					
Volume Capacity	liter	2000	2500	3000	3500	4000	5000
Connectoin Size							
Hand Hole (M)	in	-	-	-	-	-	-
ManHole (M)	in	14	16	16	16	16	16
Vent (N1)	in	1	1	1 1/2	1 1/2	1 1/2	1 1/2
Oil Inlet (N2)	in	1 1/2	2	2	2 1/2	2 1/2	2 1/2
Expansion Tank Connection (N3)	in	1	1	1	1	1	1
Return (N4)	in	1	1 1/2	1 1/2	2	2	2
Over flow (N5)	in	1 1/2	2	2	2 1/2	2 1/2	2 1/2
Outlet (N6)	in	1 1/2	2	2	2 1/2	2 1/2	2 1/2
Drain (N7)	in	1	1	1 1/2	2	2	2
Level Gauge (N8A,N8B)	in	1	1	1	1	1	1
Material							
Shell	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request					
Head	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request					
Vessel Dimensions							
Vessel Diameter (D)	mm	1200	1320	1320	1320	1320	1592
Vessel Length (L)	mm	2250	2250	2650	3100	3500	3200
Vessel Height (H)	mm	2000	2100	2150	1750	1750	2100



Model	Unit	POST-6000	POST-7000	POST-8000	POST-9000	POST-10000
Technical Data						
Design Standard	-	ASME SEC. VIII. DIV.1				
Vessel Type	-	Horizontal				
Volume Capacity	liter	6000	7000	8000	9000	10000
Connectoin Size						
Hand Hole (M)	in	-	-	-	-	-
ManHole (M)	in	16	16	16	16	16
Vent (N1)	in	11/2	11/2	11/2	11/2	11/2
Oil Inlet (N2)	in	3	3	3	3	3
Expansion Tank Connection (N3)	in	1	1	1	1	1
Return (N4)	in	2	2	2	2	2
Over flow (N5)	in	21/2	21/2	21/2	21/2	21/2
Outlet (N6)	in	3	3	3	3	3
Drain (N7)	in	2	2	2	2	2
Level Gauge (N8A,N8B)	in	1	1	1	1	1
Material						
Shell	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request				
Head	-	Carbon Steel/Stainless Steel/Galvanized Steel Based on Client Request				
Vessel Dimensions						
Vessel Diameter (D)	mm	1750	1750	1910	1910	1910
Vessel Length (L)	mm	3250	3550	3450	3850	4350
Vessel Height (H)	mm	2250	2250	2400	2400	2400

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, Watertube 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

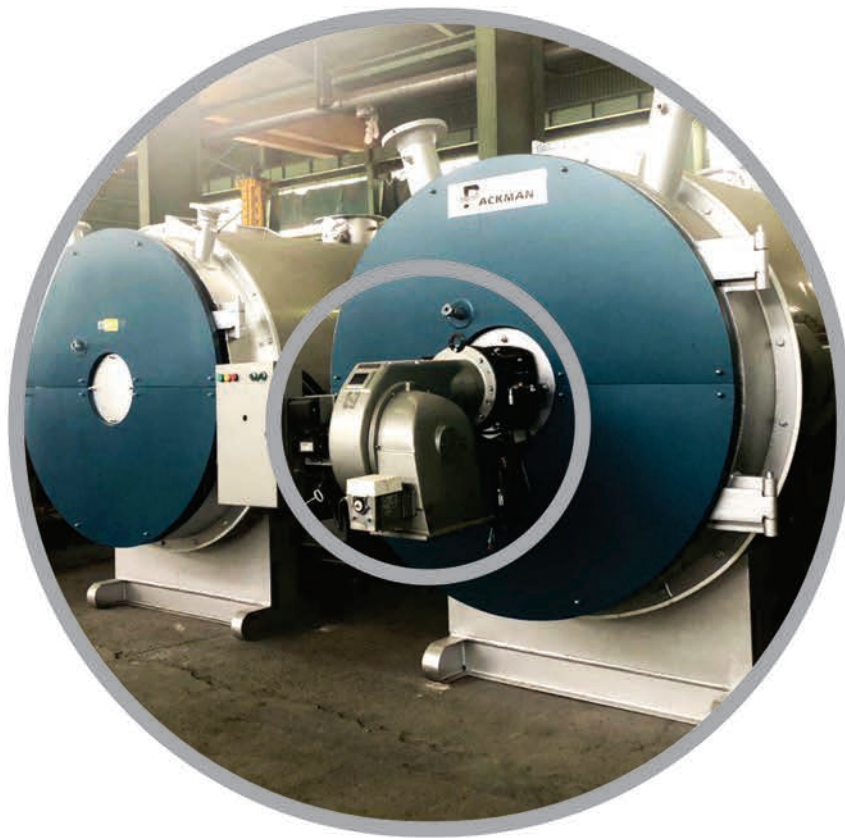


5. Bonyad Factory

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