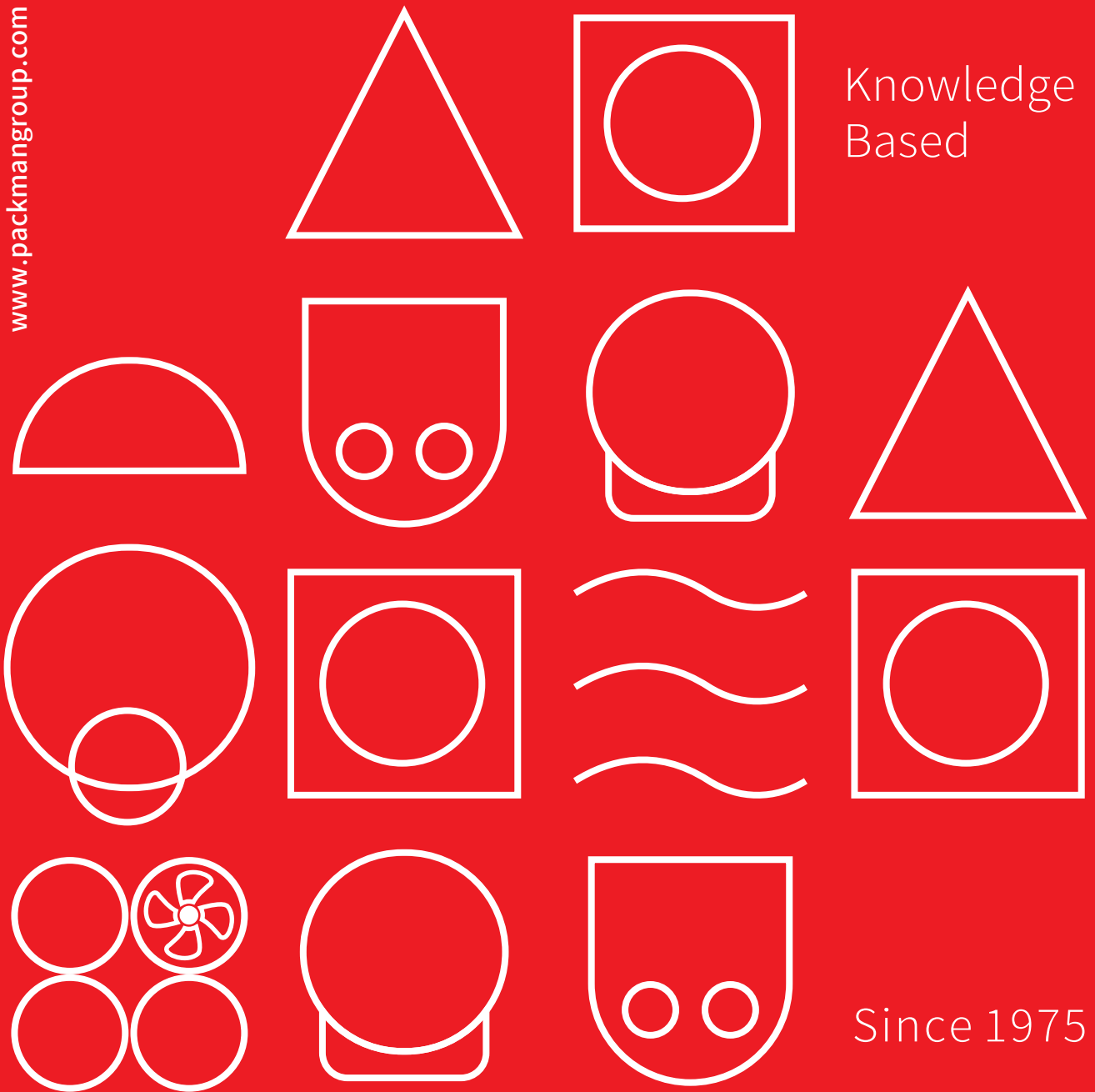


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Knowledge
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Since 1975



PACKMAN
Industrial Group

 Fuel Storage Tank
powered by PACKMAN industrial group



Fuel Storage Tank

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Product Description

Fuel Reservoir tank is a container for storing fuel. Fuel tanks are used to provide storage of fuel for use in many applications, drinking fuel, irrigation agriculture, fire suppression, agricultural farming, both for plants and livestock, chemical manufacturing, food preparation as well as many other uses. Fuel tank parameters include the general design of the tank, and choice of construction materials, linings. Various materials are used for making fuel tank: plastics (polyethylene, polypropylene), fiberglass, concrete and steel (welded or bolted, carbon, or stainless). Earthen pots also function as fuel storages.

PACKMAN fuel storage tank Properties

PACKMAN Fuel Storage tanks are made of steel plate of ST37 grade (recommended for the manufacture of pressure vessels-no direct fire contact). In the case of customer request, the tank can be made of 17MN4 (suitable for boiler construction) without any changing in product price.

Manufacturing Standards

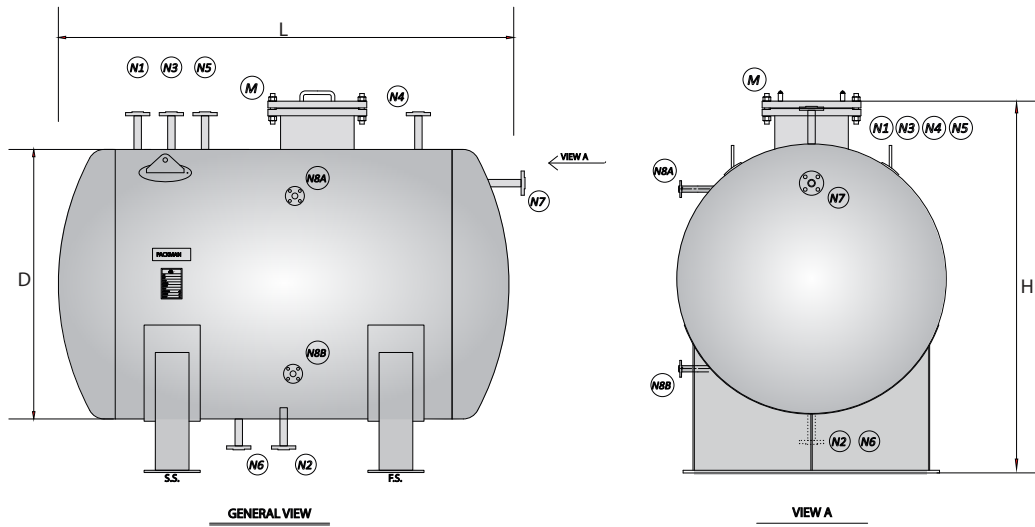
ASME Sec VIII, Div. 1 is used in the construction of fuel storage tanks. Torispherical/Elliptical Head PACKMAN's fuel storage tank head is Elliptical which is more reliable than torispherical heads. This type of head has a longer life and a higher pressure strength at the same thickness against other shapes. The production price/per kilo of these heads is even up to two times the size of the usual heads on the market.

Welding Procedure

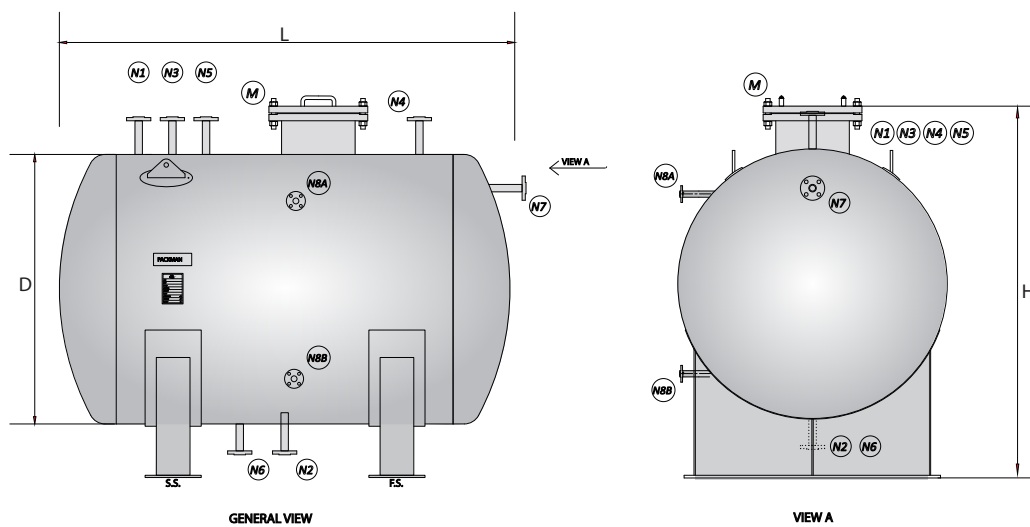
Welding is done by using the Swedish ISBU submerged arc welding equipment. After constructing the tank and welding the lugs, the body of the tank is connected to the heads by welding with a submerged welding method. In addition, the head is welded internally and externally, which increases the time life and the strength of the heads.

Product Capacity Calculation & Selection

The process of selecting a fuel or wastefuel storage tank starts with a series of questions and considerations. This is one of the main problems which is witnessed in liquid storage containment applications. In order to ensure that the capacity of fuel storage tank is approved by the responsible authorized department, it is necessary to prepare and install the equipment according to the instructions Standards. Then one can select the product model by determining the volume of storage tanks.



Model	Unit	PFST-300	PFST-800	PFST-1000	PFST-1500	PFST-2000	PFST-2500	PFST-3000	PFST-4000
Technical Data									
Design Standard	-	ASME SEC. VIII. DIV.1							
Vessel Type	-	Vertical				Horizontal			
Volume Capacity	lit	300	800	1000	1500	2000	2500	3000	4000
Connectoins Size									
Man Hole (M)	in	10	12	14	14	14	16	16	16
Inlet (N1)	in	1	1	1	1	1	1	1	1
Outlet (N2)	in	1	1	1	1	1	1	1	1
Vent (N4)	in	3/4	3/4	3/4	3/4	1	1	1	1 1/2
Return (N3)	in	1	1	1	1	1	1	1	1
Spare (N5)	in	-	-	-	1	1	1	1	1
Over Flow (N7)	in	-	-	-	-	1	1	1	1 1/2
Drain (N6)	in	3/4	1	1	1	1	1	1	1 1/2
Level Gauge (in)									
Shell	-	Carbon Steel							
Toris Head	-	Carbon Steel							
Vessel Dimensions									
Vessel Diameter (D)	mm	600	800	900	1100	1200	1320	1320	1592
Height or Length (Head to Head (H))	mm	-	-	-	-	2200	2200	2600	2650
Distance Of Head From Level (D)	mm	1500	2200	2200	2200	1800	1900	1900	2100



Model	Unit	PFST-5000	PFST-6000	PFST-7000	PFST-8000	PFST-9000	PFST-10000	PFST-20000
Technical Data								
Design Standard	-	ASME SEC.VIII. DIV.1						
Vessel Type	-	Horizontal						
Volume Capacity	lit	5000	6000	7000	8000	9000	10000	20000
Connectoins Size								
Man Hole (M)	in	16	16	16	16	16	16	16
Inlet (N1)	in	1	1	1	1	1	1	1
Outlet (N2)	in	1	1	1	1	1	1	1
Vent (N4)	in	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2
Return (N3)	in	1	1	1	1	1	1	1
Spare (N5)	in	1	1	1	1	1	1	1
Over Flow (N7)	in	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Drain (N6)	in	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Material								
Shell	-	Carbon Steel						
Toris Head	-	Carbon Steel						
Vessel Dimensions								
Vessel Diameter (D)	mm	1592	1750	1750	1910	1910	1910	2250
Height or Length (Head to Head (H))	mm	3200	3300	3500	3400	3800	4300	6000
Distance Of Head From Level (D)	mm	2100	2250	2250	2400	2400	2400	2750

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

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