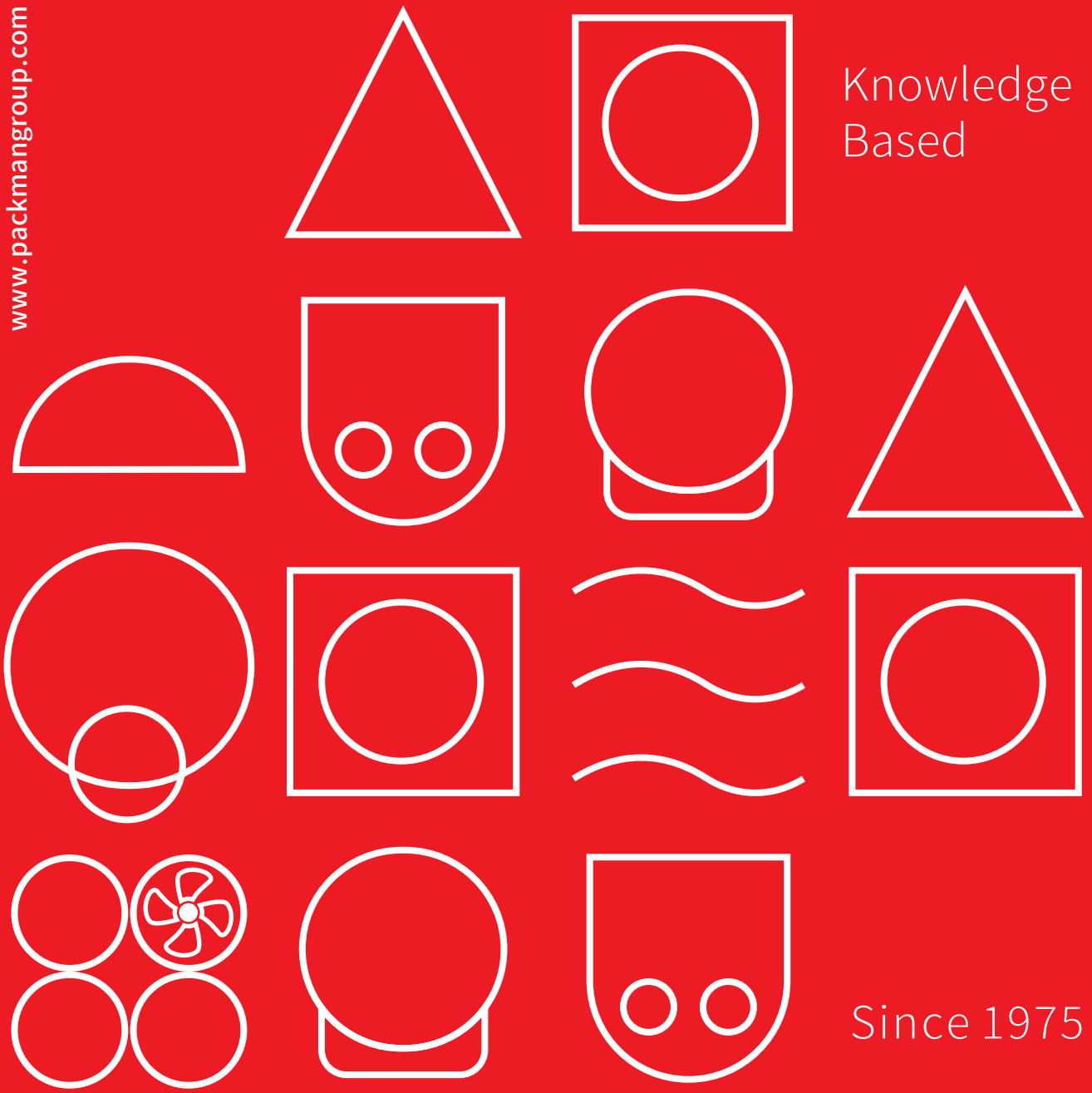


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Knowledge
Based

Since 1975



PACKMAN
Industrial Group



Pressurized Air Tank
powered by PACKMAN industrial group



Pressurized Air Tank

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Product Description

Compressed air tank is required in a process or HVAC systems to produce air and control the pressure within a specific process. A properly sized tank will accommodate the necessary pressurized air for the system during the process to control pressure limits.

Compressed air tanks are designed to release air forces and control of the pressure in heating/cooling and etc. systems. These tanks have been used for many purposes in specific systems. The air pressure in the tank must be controlled.

PACKMAN Compressed Air Tank Properties

PACKMAN's Compressed air tanks are made of SA 36 (St 37.2 in accordance with DIN standard) or in case of customer's request they can be made of 17MN4 (which is Suitable for boiler construction) with a certain thickness and without any change in price.

Manufacturing Standards

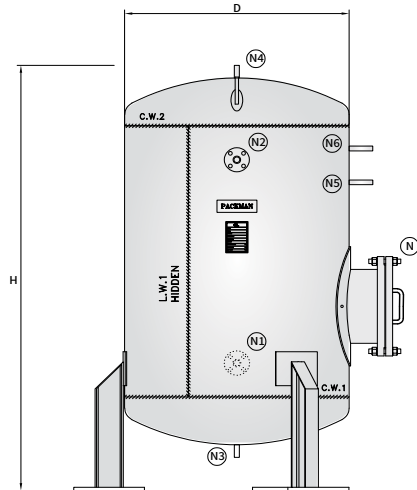
ASME Sec VIII, Div. 1 is observed in the construction of closed expansion tanks.

Tori spherical / Elliptical Head

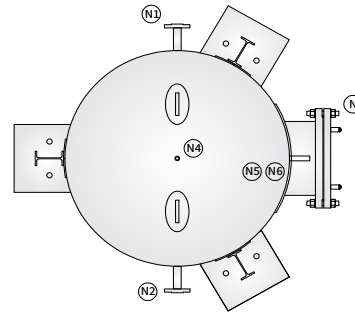
PACKMAN's Compressed air tank's head is Tori spherical or elliptical. This type of head has a longer life and a higher-pressure strength compared to other shapes with the same thickness. The production price/per kilo of these heads can reach to twice the price ratio of the usual heads on the market.

Welding Procedure

Welding is done with the Swedish ISUB submerged arc welding equipment. After constructing the tank and welding the lugs, the body of the tank is connected to the heads using a submerged arc welding method. The heads are welded internally and externally, which increases their life and strength. In the root pass, the TIG, argon or other welding methods with the 6010 cellulose electrode is used. The EW7018 electrode is used in fill pass. Finally, the submerged method with EW7018 electrodes is used in the cover pass.

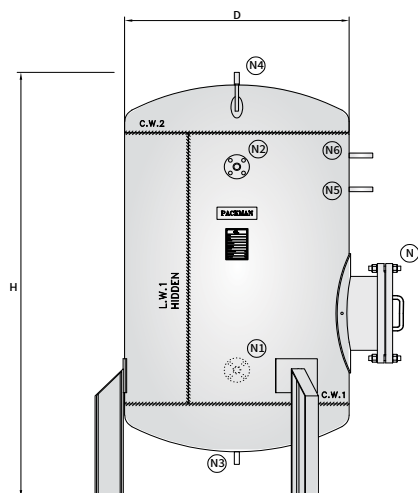


GENERAL VIEW

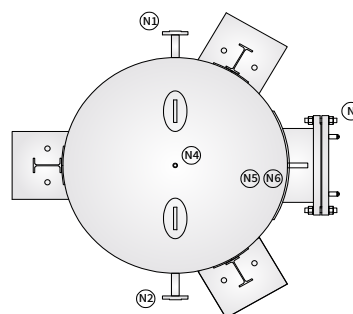


TOP VIEW

Model	Unit	PCAT-300	PCAT-800	PCAT-1000	PCAT-1500	PCAT-2000
Technical Data						
Design Standard		ASME SEC. VIII. DIV.1				
Vessel Type		Vertical				
Volume Capacity	litr	300	800	1000	1500	2000
Working Pressure	bar	8	8	8	8	8
Design Pressure	bar	9	9	9	9	9
Hydrotest Pressure	bar	13	13	13	13	13
Vessel Air Pressure Drop	bar	0.1	0.1	0.1	0.1	0.1
Connectoins Size						
Inlet (N1)	in	1	1	1	1 1/2	1 1/2
Outlet (N2)	in	1	1	1	1 1/2	1 1/2
Drain (N3)	in	1/2	1/2	1/2	1/2	1/2
Safety Valve (N4)	in	1/2	1/2	1/2	1	1
Pressure Indicator (N5)	in	1/2	1/2	1/2	1/2	1/2
Hand Hold or Man Hole (N)	in	8	12	12	14	14
Pressure Switch (N6)	in	1/2	1/2	1/2	1/2	1/2
Material						
Shell		Carbon Steel				
Head		Carbon Steel				
Vessel Dimensions						
Vessel Diameter	mm	600	800	900	1100	1200
Distance Of Head From Level	mm	1600	2200	2100	2200	2300



GENERAL VIEW



TOP VIEW

Model	Unit	PCAT-3000	PCAT-4000	PCAT-5000	PCAT-6000	PCAT-10000
Technical Data						
Design Standard		ASME SEC. VIII. DIV.1				
Vessel Type		Vertical				
Volume Capacity	litr	3000	4000	5000	6000	10000
Working Pressure	bar	8	8	8	8	8
Design Pressure	bar	9	9	9	9	9
Hydrotest Pressure	bar	13	13	13	13	13
Vessel Air Pressure Drop	bar	0.1	0.1	0.1	0.1	0.1
Connectoins Size						
Inlet (N1)	in	1 1/2	2	2	3	5
Outlet (N2)	in	1 1/2	2	2	3	5
Drain (N3)	in	1/2	1	1	1	1
Safety Valve (N4)	in	1 1/4	1 1/2	1 1/2	2	2 1/2
Pressure Indicator (N5)	in	1/2	1/2	1/2	1/2	1/2
Hand Hold or Man Hole (N)	in	14	16	16	16	20
Pressure Switch (N6)	in	1/2	1/2	1/2	1/2	1/2
Material						
Shell		Carbon Steel				
Head		Carbon Steel				
Vessel Dimensions						
Vessel Diameter	mm	1320	1592	1592	1750	1910
Distance Of Head From Level	mm	2700	2500	3000	3100	4200

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

SOME OF Certificates are



Knowledge Based



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