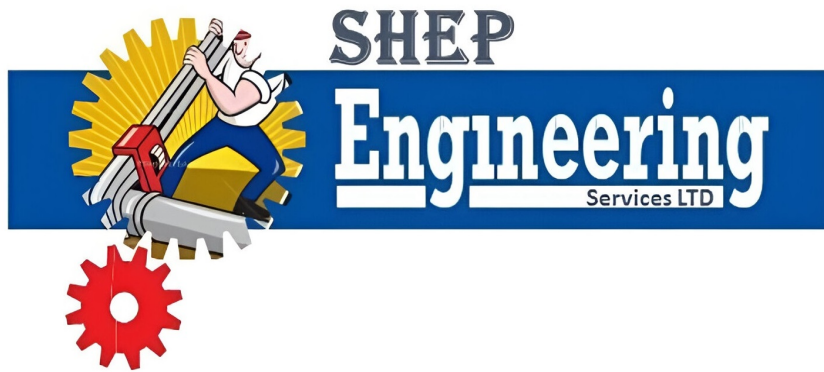




COMPRESSED AIR TANKS

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

These series of compressed air tanks are made of **SS** or in case of customer's request they can be made of **materials** which **are** Suitable for boiler construction with a certain thickness.

Manufacturing Standards

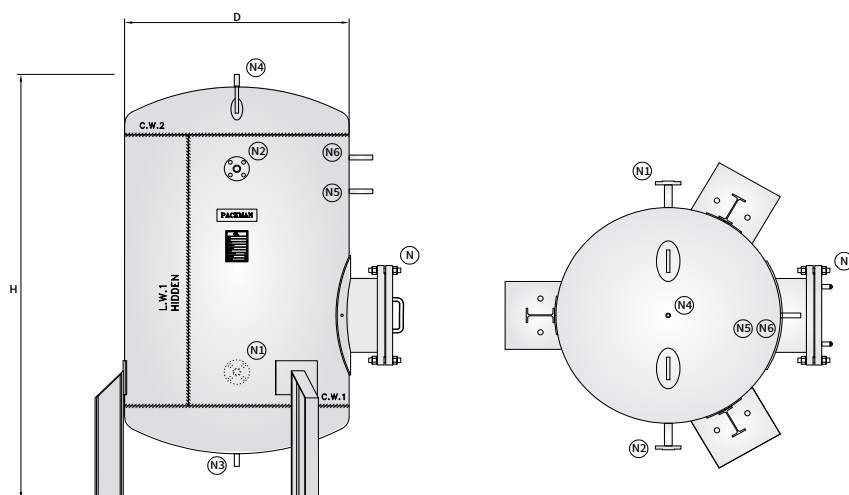
ASME Sec VIII, Div. 1 is observed in the construction of closed expansion tanks.

Tori spherical / Elliptical Head

These series of 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.

Welding Procedure

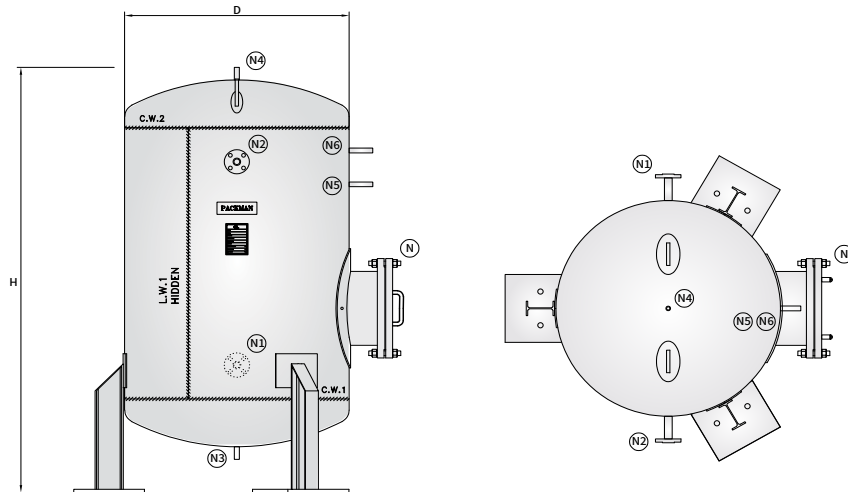
Welding is done with the **MIG/TIG** welding equipment. After constructing the tank and welding the lugs, the body of the tank is connected to the heads using a submerged arc welding method. The heads are welded internally and externally, which increases their life and strength. In the root pass, the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



GENERAL VIEW

TOP VIEW

Model	Unit	series-300	series-800	series-1000	series-1500	series-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	series-3000	series-4000	series-5000	series-6000	series-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	11/2	2	2	3	5
Outlet (N2)	in	11/2	2	2	3	5
Drain (N3)	in	1/2	1	1	1	1
Safety Valve (N4)	in	11/4	11/2	11/2	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