

Compressed air receivers are used to store compressed air and manage compressor performance. Imen Compressed Air Industries Manufacturing Company, utilizing modern technology and adhering to global standards such as ASME Sec. VIII. Div I, provides the highest quality in the construction of pressure vessels and compressed air storage tanks.



Features of Standard Tanks (SAT)

1. Design and construction according to ASME Sec. VIII. Div I standard.
2. Ability to change working pressure and tank dimensions according to order.
3. Use of ASME Sec flanges and standard bushings.
4. Internal coating of tanks with Zinc Rich and Epoxy paint with a thickness of 100-120 microns.
5. External coating of tanks with Epoxy paint with a thickness of 100-120 microns.
6. Sandblasting and cleaning of tank sheet surfaces before coating with paint.
7. Providing calibration certificate for manometer and safety valve.
8. Automatic submerged arc welding and standard manual welding with WPS and PQR presentation.
9. Providing construction and installation drawings.
10. Hydro test Procedure and Painting Procedure.
11. Performing radiography tests, sheet thickness control, paint film thickness control.
12. Use of high-quality raw materials such as sheet alloy (SA 516), (17mn4) or (SA 285 Gr C).

Inspection Stages

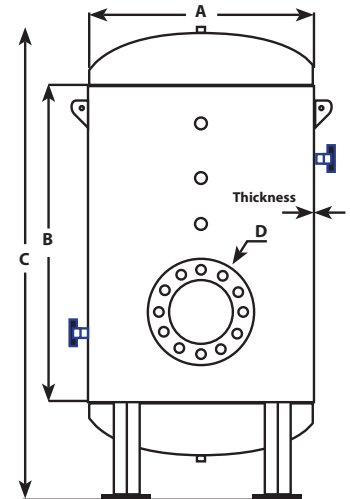
1. Raw material inspection by QC unit.
2. In-process inspection during manufacturing by QC unit.
3. Tank inspection before internal painting for sheet surface quality control.
4. Performing hydrostatic test and providing report.

Technical Specifications of Tanks (SAT)

1. Internal coating of the tank with epoxy type, thickness 100-120 microns.
2. External coating of the tank with epoxy paint, thickness 100-130 microns.
3. Ability to change working pressure and tank dimensions according to order.
4. Welding with a mechanized welding machine.
5. Equipped with hooks for carrying the tank.
6. Equipped with a tank inspection hatch.
7. Use of standard connections.
8. Working pressure 7-13 bar.
9. pressure Test 13-20 bar.

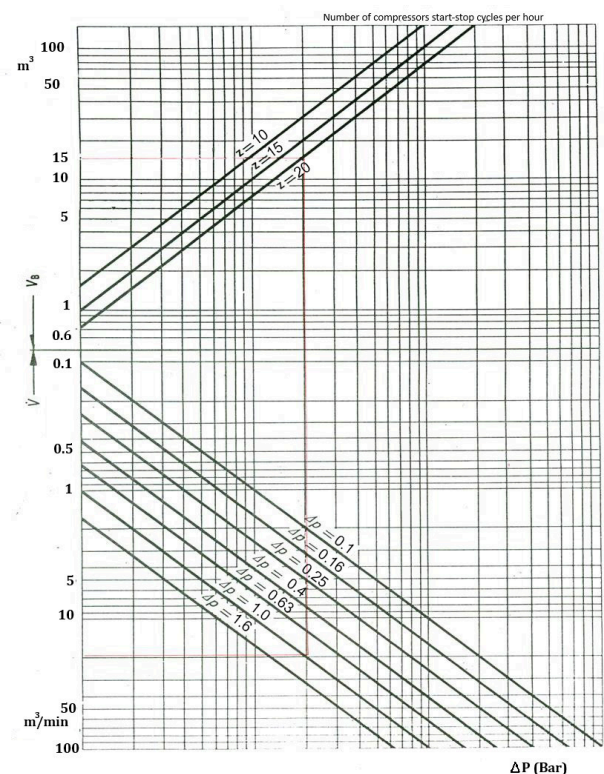
Technical specifications

Model	Capacity	Thick (mm)		Pipe size	A	B	C	D
	LIT	10bar	13bar	inch	mm	mm	mm	inch
SAT 500	500	5	6	1/2	600	1500	2000	-
SAT 1000	1000	6	8	1	800	1500	2100	-
SAT 1500	1500	8	10	1-1/2	1050	1500	2150	16
SAT 2000	2000	8	10	2	1200	1500	2200	16
SAT 3000	3000	8	10	2	1250	2250	3100	16
SAT 4000	4000	10	12	3	1300	3000	3700	16
SAT 5000	5000	10	12	3	1400	3000	3800	16
SAT 6000	6000	10	12	4	1400	3750	4600	16
SAT 8000	8000	12	14	4	1750	3000	3800	16
SAT 10000	10000	12	14	4	1900	3000	4000	16



Calculate and Select Compressor Tank Volume

To select the appropriate tank volume for a compressor, a tank volume calculation graph can be used. This graph includes information about compressor capacity, allowable pressure drop, number of compressor start-stop cycles, and required tank volume.



Spare Parts



Thermometer



Regeneration
Regulating valves



Pressure gauge



Safety Valve



Regeneration Drain
Valves