

Air Receiver Tanks

Air receiver tank manufacturing Capacity:
30 Ltrs (0.3 M³)
to 15000 Ltrs (15 M³)



Air receiver tanks are the additional Air Storage Systems Which maintains the Constant supply of Air during peak requirements to the Plant Equipments & Systems Ensuring Smooth & Efficient Performance of Production Process.

*Air receivers helps Air Compressor reduce Excessive Cycling reducing Overall Power Consumption & Wear & tear of Components .

*Air receivers also Helps remove Solid Dirt Particles & Moisture Content from the air Ensuring Clean Air to Plant System enhancing the life of all Costly Equipments from Wear Out.

* Air receivers Of Large Storage Capacity are primarily installed near by Air Compressors to Ensure to maintain supply of Air Where as Small or medium sized receivers can be installed Directly nearby specific location or equipment which prevents Sudden pressure Drops & Assure Uninterrupted Air flow affecting the production Process.

* Proper Size of Air receiver tanks can be calculated with Air compressor capacity & requirement of Air at various Equipments in Plants.

Features:

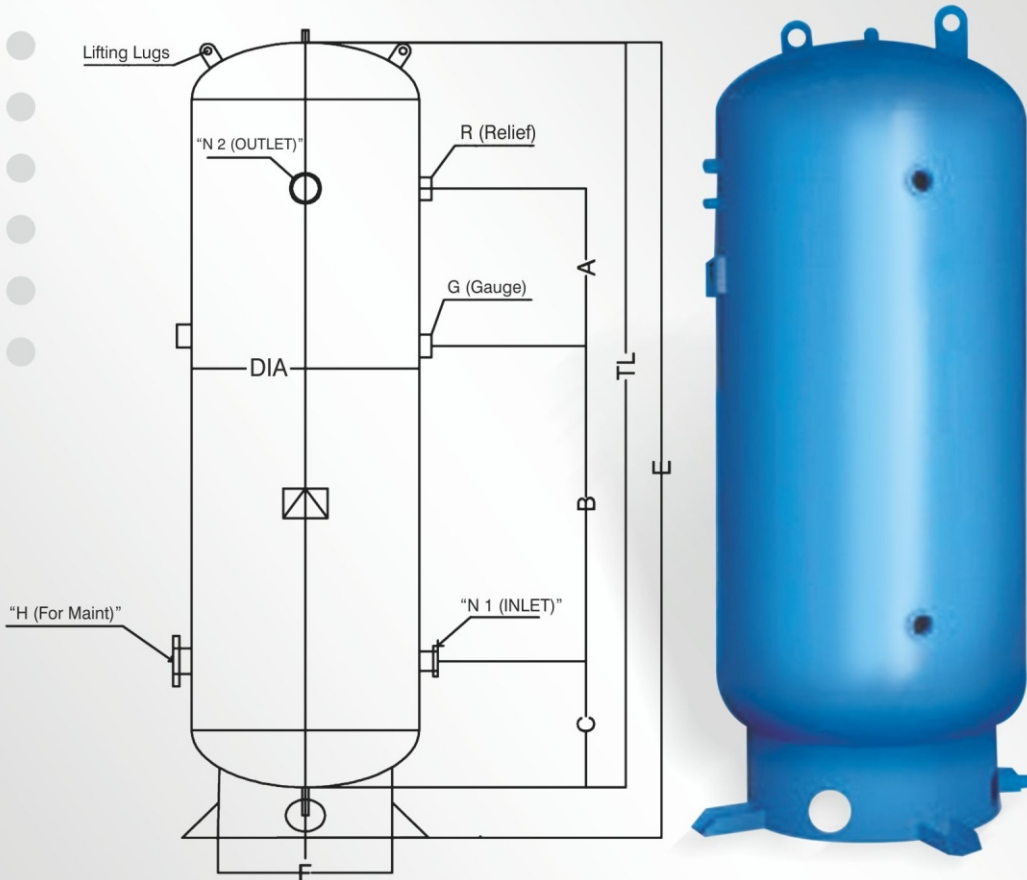
- ◆ Receivers are manufactured as per Standard IS-2825 / ASME SEC-VIII, DIV-1 Codes
- ◆ MOCs for receivers is IS 2062 / 2002 / SS 304 & SA 516 Gr 70
- ◆ Standard receiver Tanks are manufactured for working Pressure of 10 Kg & Design pressure of 16 Kg/cm², However high pressure tanks up to 40 Kg/cm² are also manufactured as per requirement.
- ◆ Tanks types are Vertical & Horizontal Type with Legs Or Skirts.

Accessories like safety relief valves, pressure gauge, Temp gauge, Auto drain valves are Essential Parts provided with Receiver.

Selection Of Air Receiver Tank Capacity:

- ◆ AIR Receiver capacity is normally selected on the basis of Available Air compressor & Air requirement for Equipments Installed.
- ◆ However One Can Have Air receivers installed based on Following Formula:
- ◆ Air Compressor Motor Power in HP X 30 = Air receiver in Litrs
- ◆ E.g. if u have Compressor with 10 HP Motor Capacity ...then you may install a receiver of 300 ltrs capacity ...

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Painted Standard Air Receivers

Capacity (L)	300	500	750	1000	1500	2000	3000	4000	5000
Pressure (Bar)	12	12	12	12	12	12	12	12	12
Diameter (Dia)	550	600	700	800	900	1000	1200	1350	1440
TL (MM)	1225	1720	1850	2000	2250	2500	2600	2675	2920
E (MM)	1405	1910	2055	2205	2455	2705	2825	2900	3220
N1 (Inlet)	1"	1"	1"	2"	2"	4"	4"	6"	6"
N2 (Outlet)	1"	1"	1"	2"	2"	4"	4"	6"	6"
H (for Maint.)	2"	2"	3"	4"	4"	5"	6"	10"	12"
A (MM)	225	360	350	400	450	500	500	525	570
B (MM)	500	600	700	800	900	1000	1200	1100	1200
C (MM)	250	380	400	400	450	500	550	525	575
F (MM)	340	390	490	590	690	780	990	1140	1230

Manufactured By:

Valtation Controls

Sales Office & Works:

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