

Your Guide to Compressed Air Receiver Tanks

What is an Air Receiver? An air receiver, compressed air tank, is an integral part of any compressed air system. The main purpose of this is to act as temporary storage to accommodate the peaks of demand from your system and to optimize the running efficiency of your plant.

Why is an Air Receiver Important? While your air compressor can run without a receiver, it would probably increase the loading and unloading cycles. This, in turn, increases the load on your compressor and consequently the wear and tear that happens to it. Air receivers store compressed air before it goes into the piping system.

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How to Pick the Right Air Receiver Size? The right way to size an air receiver is to allow 3-4 gallons for every CFM or 10-15 liters for each liter/second of compressed air. Just like air compressors, choosing the right air receiver depends on several factors, so you may consider these:

- Reducing Pressure Drops and Fluctuations
- Meeting Short-Term Peak Air Demands
- Energy Considerations
- Safety Considerations