

Top Ten Problems in Compressed Air Systems & How to Fix Them

10. Compressors are piped incorrectly
 9. Systems with a large pressure drop across dryer and filters
 8. Compressed air systems that are unreliable or limit production quality or quantity
 7. Systems that use air when it is not needed
 6. Typical industrial systems have 20-40% leakage rate
 5. Compressors that cannot unload effectively
 4. Compressor systems with water problems and manual open drains
 3. Centrifugal compressors systems with spill control
 2. Compressor systems controlled by inlet valves
 1. Multiple compressors, independently or manually controlled in a large system with lots of wasteful uses
10. Correct poor fittings and reduce compressor set point 5-10 psi
Don't skimp on undersized filters. The pressure drop across a cheap filter cost hundreds of dollars per year, while a good filter only costs \$30
 9. Compressor systems can and should be problem free. Downtime costs you money and credibility. Find and fix the root problem.
 7. Find these areas that air is not needed and stop the bleeding.
If you have not been fixing leaks lately, it's a safe bet you may be wasting 30% or more. Get a leak management system in place.
 5. Many compressors have good unloading controls, but they are put into systems without enough air storage capacity.
Manually set drains are a potentially huge user of air that can easily get out of control to the point of needing another compressor.
 3. Modify your system control strategy to avoid the blow-off point. Save 10-20%
 2. Inlet valves are the least efficient way to control compressors. Save 10-30%
 1. Eliminate wasteful uses, modify the controls and turn off a compressor, saving energy maintenance and capital.