Partners in Energy Efficiency

Owning and operating an air compressor has many benefits and is necessary to keep your operations running smoothly, but they consume large amounts of electricity, especially when used inefficiently. Energy management constitutes 70% of the total cost of owning and operating a compressor. You can achieve the highest energy efficiency with a Variable Speed Drive (VSD) compressor.

As your partner in compressed air, Quincy can provide recommendations that will help to reduce the environmental impact and energy cost of your application.

Here are our tips to save energy on your compressed air installation.

Start Saving Energy Today!

TIP 1

OBTAIN THE RIGHT PRESSURE

Ensure that your compressor is operating at the correct pressure. For every 2 psi reduction in pressure, you can reduce your energy consumption by 1%. Ensuring you have the correct pressure for your application will save you energy and money.

TIP 2

AVOID AND REPAIR AIR LEAKS

Air leaks are expensive but can be identified and repaired. All compressed air systems have leaks. Compressed air systems on average lose 20% to 30% of compressed air due to leaks. A typical 200HP installation wastes $46,531 due to air leaks. Have your compressed air installation regularly checked for leaks and prevent unnecessary loss of compressed air.

TIP 3

MAINTAIN YOUR COMPRESSOR BY FOLLOWING A MAINTENANCE SCHEDULE

Proper maintenance can prevent energy loss and keep your system running in optimal condition. A compressor that works correctly is the most efficient for your wallet. Use original compressor parts to ensure correct operation and maximum energy efficiency.

TIP 4

INSTALL A VSD COMPRESSOR

A variable speed air compressor is equipped with a specially designed drive that controls and adjusts the operating speed. This offers a number of benefits, including delivering more constant pressure, protecting against power surges, and lowering energy consumption. Many variable speed air compressor owners experience a significant reduction in their energy costs over time.

TIP 5

USE HEAT RECOVERY

One major optimization often overlooked is recovering the heat generated by compressors. Recovering the heat generated by compressors can help lower your energy and electrical costs. Utilizing energy efficiently can also lower CO_2 emissions reducing your carbon footprint.

Quincy COMPRESSOR