COMPRESSED AIR AUDITS

AUDIT BENEFITS

HAVE YOU EVER WONDERED WHAT YOUR AIR SYSTEMS ACTUAL FLOW REQUIREMENTS ARE?

The problems associated with operating a modern compressed air system are fairly complex and often camouflaged to the untrained eye. A professional audit of your compressed air system can result in reduced downtime, improved production, lower maintenance cost, and reduced energy consumption and costs.

Many utilities currently offer rebates ranging from <u>50% to 100%</u> for compressed air audits and high efficiency replacement equipment.

Consider a few of the benefits:

- Energy savings typically range from 15% to 30%.
- Identify and reduce system leaks.
- Determine system flow rates and trends.
- Identify system design inefficiencies.
- Utilize "free money" from utility rebates and incentives to fund upgrade projects.

Realizing adequate and consistent compressed air supply is essential to improving plant efficiency and productivity.

AUDIT SCOPE



When analyzing life cycle costs of a new compressed air system; on average 82% of these costs are energy, 10% maintenance; and 8% initial purchase cost of capital equipment.

82%

A professionally conducted Air Audit will define system problems, whether they are in demand, distribution, or supply. Detailed audit recommendations will allow your management team to develop feasible project solutions that meet your return on investment criteria. *At a* minimum, RMEM's comprehensive audits include:

- Determination of system demands and flow rates (SCFM).
- Metering and quantification of energy consumption, demand, and overall operating costs.
- Measurement and evaluation of system pressures and air quality.
- Assessment of system controls and set points.
- Identification and quantification of system leaks (audits conducted with ultrasonic leak detectors).

ENERGY SAVINGS

HAVE YOU EVER WONDERED HOW MUCH YOUR COMPRESSED AIR SYSTEM IS COSTING YOU ANNUALLY?

Facts to consider:

- Compressed air generation typically averages 10% of a plants electric cost.
- System leaks typically consume 20% to 30% of a compressors output.
- Over 80% of the energy input into a compressor is lost as waste heat.

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