




Compressed air is a vital utility for every company, and it is essential to maximize the full potential of every system. With rising energy costs, it is important to operate compressed air equipment as efficiently as possible and minimize leak losses. Leaks can be a significant source of wasted energy in industrial compressed air systems, presenting several challenges and issues including:

- **Wasting 20-30% of the compressor's output**
- **Increased compressed air operating costs**
- **Increased compressed air maintenance costs**

Proactive leak detection and repair can reduce leaks to less than 10% of compressor output. Creating a leak repair and prevention program is very important in maintaining the efficiency, reliability, stability and cost effectiveness of any compressed air system.

## What are compressed air leaks costing you?

<u>Equivalent Orifice Size</u>	<u>Air Loss (cfm)</u>	<u>Annual Cost</u>
 1/8"	16	\$1,432
 1/4"	63	\$5,640
 3/8"	143	\$12,801

*Annual Costs were calculated using 100 psig air, an average energy rate of \$0.080/kWh, and assuming 6,000 annual operating hours and 4.0 cfm/bhp*

## LEAK DETECTION ANALYSIS

A Zorn Trained Technician will conduct a survey using ultrasonic detection equipment to evaluate for compressed air leaks, including:

- **Identifying**
- **Tagging**
- **Tracking**
- **Logging**
- **Verifying**

The inspection analyzes your leak loss and estimates current annual costs of any leaks, based on your current energy costs. After assessing the results, a trained technician can repair tagged leaks in accessible areas such as pipe fittings, poly tubing, quick connects, hose connections, FRL's, and auto drains. Our team of leak detection experts will work with you to take advantage of Focus on Energy and Com Ed incentive programs.

**TO LEARN MORE ABOUT TECHNICAL SOLUTIONS GROUP, PLEASE CONTACT US**

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