

An ultrasonic Leak Detector is used to track down the smallest leak with zero downtime. A common approach in the attempt of saving expenses is a walk through the facility after plant shutdown in an effort to look and listen for a leak. Keeping in mind that the smallest background noise may be a distraction from normal hearing (the human ear hears up to 15 kHz), misdiagnosis of air leaks can lead to increased capital expenses by purchasing unnecessary air compressor.

We perform air leak audits seamlessly to maintain your daily operation schedule. We then submit a written report within 10 days of the assessment, inclusive of quantifying leak rate appraisal of each surged leak, and its value in terms of dollars, in addition to ROI (return on investment) calculations.

The table below shows the approximate annual cost for electricity (\$0.10/kWh) for different size leaks based on one, two and three shift operation. Of course the type of compressor control can have a major effect on the results of any leak reduction effort.

Leak size	1 Shift (2250 hrs)	2 Shifts (4250 hrs)	3 Shifts (8400 hrs)
1/16" leak	200 \$	380 \$	750 \$
1/4" leak	3210 \$	6070 \$	11 990 \$
3/8" leak	7230 \$	13 650 \$	26 980 \$
1/2" leak	12 820 \$	24 210 \$	47 850 \$

**Annual Cost of Compressed Air Leaks
Based on \$0.10/kWh Electricity Cost**

(Courtesy Compressed Air Challenge)



► **Toronto**

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► Hearing thin air uncovers significant opportunity for saving

Air Leak Detection

► When searching for air leaks in your facility, it is important to seek out professionals using the latest in Ultrasonic Leak Detection equipment. It is the guarantee to achieve a fast, efficient, and complete solution to manage your air leaks.

