



# Evaluation & Advisory Services

## Case Study: Compressed Air Survey



# Minimize Leaks | Maximize Efficiency

## Evaluation & Advisory Services



### Case Study:

On October 10th, 2017, we conducted our first on-site Compressed Air Survey where we tested 15,000+ fittings over the span of **8 days**. Of the 15,000+ fittings tested, **5.4% leaked**, which amounted to **817 leak points** detected at our customers site. Our customer received a detailed report on our findings, which prioritized leaks by severity, to assist in the repair and reduction of leak points, and the quantified cost of avoidance of the associated emissions.

With the success of the previous survey, our customer invited our team back to site on May 1st, 2018, where we conducted the same survey across their facility in just **6 days**. The results of the second survey verified the customers commitment to reducing the cost of emissions – only **1.8%**, or **279 leak points** were detected, representing an overall reduction of leak points by approximately 66%.

As part of our ongoing support and leak prevention we conducted a recent survey, returning to our customers facility on May 1st 2020. We completed our survey across their facility in just **four days**, identifying **120 leaks**.

Date:	Job Length:	Tube Fittings Tested	Pipe Fittings Tested	Leaks Identified
Oct. 10, 2017	8 Days	12000+	3000+	817
May 1st, 2018	6 Days	12000+	3000+	279
May 1st, 2020	4 Days	12000+	3000+	120

### Conclusion:

By leveraging Swagelok Evaluation & Advisory Services – Compressed Air Survey – our customer was able to realize an 85% reduction in the number of leak points, and the associated quantified **cost savings of \$242,000** by reducing those emissions, with an **additional cost savings of \$250,000** by eliminating the need for another compressor. As a result, we enhanced their bottom line and improved the safety of their facility.

### About our Leak Detection Services:

We've found that about two-thirds of energy costs for compressed air can be significantly reduced without large capital outlay. Our comprehensive evaluation of your plant leverages our 70 years of expertise in fluid systems and sensitive technology to identify and quantify fugitive emissions at the source. We will work with your team to improve system performance and reduce operational costs by our proven process:

- Initial discussion to review your unique situation and requirements
- Customized evaluation proposal
- In-plant evaluation, in consultation with your team
- Detailed report with prioritized recommendations and solutions
- Ongoing support and leak prevention training
- Revalidation once remediation work complete

**Inquire Today**