A photograph of a modern industrial facility's interior. Large, shiny metal ductwork and pipes are suspended from the ceiling. In the foreground, several Atlas Copco industrial air compressor units are lined up. One unit has a red and orange flame-like graphic on its side. A blue graphic overlay on the left side of the image shows a technical cross-section of one of the compressor units, highlighting internal components like the motor and pump assembly.

Atlas Copco

Can You Identify Your Challenge?

Tame your air, gas and vacuum monsters
before they take control.



Worried You Might Have Monsters? We Can Help.



It's Monday. You walk into your facility with a cup of coffee in hand and turn on the lights, ready to start the day. But the production environment seems off...and that's when you realize it. The compressors and vacuum pumps you rely on? They're not functioning as they should. One has a noticeable leak, the other is making a strange whirring noise, and one won't even cut on!

Uh oh.

These are the monsters - simple and complex issues that can attack compressed air, gas, and vacuum systems with speed and subtlety; though, sometimes the subtlety is akin to a giant hammer.

This is where Atlas Copco comes in. We understand that compressed air and vacuum systems can be complex, and they include what feels like thousands of moving parts. The frustration of dealing with the intricacies of your system is often amplified when something like the above goes wrong.

We also recognize that a key first step to identifying and resolving these problems is having the knowledge to know what you're looking at.

That's why and we're making sure this information is available right at your fingertips! Knowing what the problem is makes it that much easier to diagnose. To simplify the process, we've divided common compressed air and vacuum system problems into 6 main categories:

1. Quality
2. Quantity
3. Service
4. Sizing
5. Efficiency
6. Backup

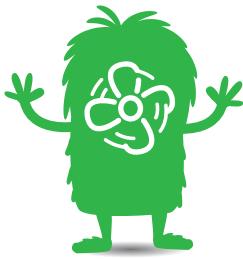
In these categories, we explore compressor and vacuum system problems in detail, ensuring that you're armed with the knowledge necessary to begin stopping these so-called "monsters" in their tracks.

Don't Let Your Air and Gas Issues Become Monster-Sized!



We have hundreds of articles and abundant resources that are aimed at helping you tame these monsters. Technology guides, on-site calculators, industry insights, How-Tos and Q&A's – the options are endless. **If you have a question about air, gas and vacuum we have the answer.**

Visit www.atlascopco.com/compressyourpain for more information.



1. Quality:
Issues with air quality / wet air?

Your system's effectiveness largely rests on the air quality, and poor quality compressed air can result in extensive system damage, serious performance degradation, and an overall negative impact on your system's efficiency and productivity levels. Particulates in the air (both natural and introduced), moisture in the air, and oil contamination are common issues associated with air quality issues.

If you're having issues with poor air quality or wet air, it's time to reach out to the experts to discover how to improve and maintain higher-quality air in your system.



2. Quantity:
Issues with pressure drops, leaks, or not enough air?

Balancing air supply with end demand is tricky enough; throw in system leaks and pressure drops, and ensuring that your applications have a proper compressed air supply becomes much more complicated.

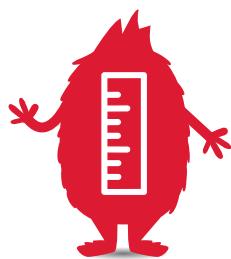
Our professional Air Experts are ready and able to help you identify and mitigate these issues! From performing regular leak inspections to assisting with a well-designed distribution system, our team is able to catch these problems in action and work with you to generate a well-laid out solution.



3. Service:
Keeping up with maintenance needs and using updated controller systems?

Routine maintenance and regular service are essential to the continued efficiency and reliability of your compressed air and vacuum systems. The reason is simple: you can catch and eliminate issues before they get bigger, which means you avoid costly repairs and downtime down the road. Key items include removing piping contamination, checking vents, filters, and belts for dirt buildup, and monitoring the health of your filters.

Sound like a lot to keep up with? It can be. Our certified Service Technicians are here to take this off of your plate with a variety of top-notch service and parts plans meant to work for you!



4. Size:
Are my machines sized correctly?

Are you sure that your compressors or pumps are properly sized for your process? Improperly sizing your equipment can lead to difficulties with both production levels and increased energy costs, as well as unnecessary wear and tear on your machines.

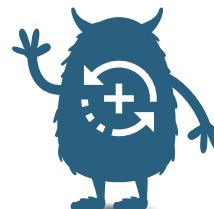
If you're not confident in the air requirement, working pressure, or air flow needed by your application, it's time to discuss with our team. We'll walk you through not only how to calculate these numbers, but take it a step further and assist you by using this information to determine the correct size of machine needed for your process.



5. Efficiency:
Is my system the most efficient it can be?

Compressed air is an expensive utility, and the energy it takes to power the compressor system is the single biggest associated cost. With that in mind, who wouldn't want to ensure that their system is as efficient as possible?

From air audits and assessments to keeping up with the latest in central controllers, we offer a variety of technologies and plans to help your business be the most efficient you can be. Our Sales and Service experts are standing by to assist!



6. Backup:
Should I consider having a backup machine?

Want to achieve a reduction in total operating costs & increase your system's reliability? Add more machinery! This might seem counterintuitive; however, if you only have one compressor powering your operation and that compressor must undergo routine maintenance (or requires emergency service), what happens to your production?

Simple answer: it stops! Prevent this from happening by investing in a backup compressor, creating redundancy, or employing compressor sequencing. The concepts might seem complicated, but we've got you covered. Our Air Experts are happy to help.

Solutions Portfolio

Air Compressors



Piston/Scroll



Oil Injected Rotary
Screw/Tooth



Oil Free Rotary
Screw/Tooth



Centrifugal

Air Blowers



Lobe Blower



Screw Blower



Turbo Blower



Multistage Blower

Vacuum Pumps



Rotary Screw



Vane



Claw



Liquid Ring

Gas Generation and Air Treatment



Gas Generation



Filters



Dryers



Piping

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