



The screw air compressor is running normally without pumping air

How do I troubleshoot rotary screw compressors?

Troubleshooting rotary screw compressors doesn't have to be overwhelming. By identifying common issues like insufficient air pressure, oil carryover, or high energy consumption, and taking proactive steps to address them, you can keep your system running smoothly and efficiently.

How does a screw compressor work?

A screw compressor can run loaded ('pumping air') or unloaded ('idle'). The inlet/loading valve opens and closes according to air demand. The inlet valve is controlled by a solenoid valve that supplies control air to the inlet/loading valve. Check solenoid valve coil and solenoid valve operation.

Why is my air compressor not starting?

The first place to check is the power supply. A faulty connection, a loose wire, or an interruption in voltage could be preventing the compressor from starting. This is especially common if there's been a recent power outage or electrical work near your facility. Another potential issue is an overloaded motor or a tripped circuit breaker.

What happens if your air compressor goes wrong?

When something goes wrong with your air compressor, it can result in lost work time and profitability. Here's a look at the most common air compressor problems and some fixes you can try yourself to get up and running again. First, if your compressor has a reset switch, try that.

Why does my compressor trip on over temperature?

If your compressor trips on over temperature, it could be any of the following: Ambient temperature too high or not enough ventilation. A screw compressor can run loaded ('pumping air') or unloaded ('idle'). The inlet/loading valve opens and closes according to air demand.

How do you maintain a rotary screw compressor?

Upgrade the compressor if necessary. Preventive maintenance is essential for minimizing downtime and extending the life of a rotary screw compressor. Key maintenance practices include: Regular Inspections: Conduct routine inspections to identify and address potential issues before they become significant problems.

Want to know how to calculate duty cycle of air compressor? Read this article to find the answers and learn the main types of air compressor duty ...

Most air compressors aren't designed for continuous running, and the ones that are you probably won't have in your garage, as they're designed for industrial ...



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To prevent your air compressor from overheating, focus on improving ventilation, monitor compressor oil levels, and keep compressor parts up-to-date. [Learn more!](#)

Overheating of rotary screw air compressors can not only lead to costly repairs and downtime but can potentially cause serious safety issues. In this guide, we'll look at how you ...

When you need to power a tool or inflate a tire, the compressed air is released and put to work. The main component of an air compressor is the ...

Trouble-shoot air compressor problems, find out the cause, get a solution. The compressor place to go when you want to know.

Systems regulating airflow, including air compressor load and unload and continuous flow rate, are highly sophisticated due to constant innovation. ...

Rotary screw compressors are the workhorses behind a majority of manufacturers worldwide. If you see a big building, and they make stuff there, ...

Screw compressors can only start and stop so many times, so they usually have an internal timer limiting the number of stops. If your compressor ...

Commercial air compressor not working? Our air compressor troubleshooting guide will help you get to the bottom of common air compressor problems and solutions. If ...

The oil free rotary screw air compressor uses specially designed air ends to compress air without oil in the compression chamber producing true oil free air. These compressors are available as ...

What is a Rotary Screw Compressor? Simple in design, yet precision engineered to deliver with great efficiency, rotary screw air compressors are the mainstays of the industrial world. As one ...

Maintaining an air compressor is essential, and checking the oil level is a crucial aspect of it. However, not everyone knows how to check the ...

An air compressor is a versatile tool that finds applications in a wide range of industries. However, when it starts losing pressure, it can cause frustration and disruption. ...

If your air compressor is not building pressure, it could be due to a faulty air-intake pump that needs to be replaced. Check if the motor is running ...



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Commercial air compressor not working? Our air compressor troubleshooting guide will help you get to the bottom of common air ...

When your rotary screw compressor frequently trips or shuts down during operation, it can disrupt workflows and lead to costly delays. While this issue may seem ...

Discover the significance of discrepancies in air/oil cooler temperatures and how these variations provide crucial insights into equipment performance and potential issues.

Over the years, I repaired and troubleshooted hundreds of rotary screw air compressors. In these troubleshooting "basics" series I explain the most ...

Thinking about buying a rotary screw air compressor? Read our rotary screw air compressor guide to find out what they are used for and how ...

Screw air compressors play a vital role in modern industrial production due to their high efficiency, reliability, and broad application range. However, one of ...

The normal operating temperature of an air compressor typically ranges between 75°C to 95°C. One of the common air compressor failure is overheating of the air compressor. For screw air ...

Solutions to air compressor frequent loading and unloading: Solutions for frequent air compressor loading and unloading due to control or ...

What is a Screw Air Compressor? Have you ever wondered what exactly a screw air compressor is? Well, let me break it down for you in simple ...

Air compressors are vital to industrial operations, and when a failure occurs, it can disrupt entire production lines. Understanding common issues and knowing how to diagnose them quickly is ...

If you're experiencing issues with your Atlas Copco stationary air compressor, you need a reliable air compressor troubleshooting guide to get it ...

Air compressors are essential tools for various industrial and home applications. However, when your air compressor starts running continuously, it can be frustrating and ...

An Air Compressor Not Building Pressure Aside from not delivering enough air for the air tool, this issue can create another problem. An air ...

Common faults in screw air compressors include difficulty in starting, automatic shutdown, abnormal



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vibrations, and temperature anomalies. The main causes ...

If your compressor is experiencing loading or unloading issues, check the electrical components, such as the solenoid valves, and inspect mechanical ...

If your screw air compressor isn't running smoothly, don't panic--many common issues have straightforward fixes. Troubleshooting and maintenance can often solve problems ...

Want to know how to calculate duty cycle of air compressor? Read this article to find the answers and learn the main types of air compressor duty cycles.

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