



# The screw air compressor is discharging intermittently

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 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.

Why is my rotary screw compressor overheating?

Solving insufficient air pressure is critical for maintaining productivity and avoiding further system stress. When a rotary screw compressor begins overheating, it's a clear sign that something is amiss. High operating temperatures can lead to inefficiencies, system shutdowns, and even long-term damage to critical components.

Why do rotary screw compressors make noise?

By addressing excessive oil consumption promptly, you can save on operating costs and ensure your compressor performs at its best. Rotary screw compressors are known for their smooth and quiet operation, so when you hear unusual noises or feel excessive vibrations, it's a sign that something isn't right.

What are common problems with a positive displacement compressor?

Any major problem that may develop is generally related to improper cooling or lubrication, poor maintenance and operating practices, or misapplying the system. The troubleshooting table below is not comprehensive, but indicates some common problems that can develop in a compressed air system using positive displacement compressors.

Scroll air compressors are positive-displacement type compressors that are commonly used in various applications. Of course, from time to time, something is going to ...

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 they are maintained.



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

You should always contact an authorized service center before attempting to fix or repair your air compressor  
Portable Rotary Screw Compressor Trouble Shooting

What is Rotary Screw Compressor? Rotary Screw Compressor: Definition, Types, Working, Diagram, Application, Advantages & Disadvantages :- A screw ...

While a piston compressor needs intermittent breaks to function optimally, a rotary screw compressor actually works better with continuous ...

Dream (Shanghai) Compressor Co., Ltd., established in 2011 and headquartered in Shanghai, specializes in the design, manufacturing, and marketing of air compressors. As a ...

Screw air compressors are vital in industrial applications, supplying a steady and reliable source of compressed air. However, one common issue that affects their performance is frequent ...

We'll walk you through common rotary screw compressor issues and provide troubleshooting tips to get your system back on track. With a little knowledge and proactive ...

A screw compressor works by using rotors to compress air or gas. These rotors spin, creating pressure that forces the air into a smaller space.

The allowable air compressor discharge temperature - i.e. reciprocating, oil-free rotary screw and centrifugals easily handle 350°F to ...

In order to maintain normal pressure output, the air compressor may operate intermittently. If the solenoid valve is used for a long time, it may become blocked, affecting the ...

The operating mode of screw air compressors needs to be comprehensively judged based on equipment design and actual working conditions. Taking Granklin's water-lubricated ...

In this article, we'll break down five effective ways to determine if your screw air compressor is loading and unloading too frequently, and explain what you can do about it.

Troubleshooting air compressors? Here are some common problems that can develop in a compressed air system and probable causes and suggested actions.

Most lubricant-injected rotary screw compressor packages use the air pressure in the lubricant sump/separator,



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after the discharge of the air end, to circulate the lubricant through a filter and ...

To troubleshoot, check the time relay. If the display does not show a "load" signal, the time relay might be faulty. If the display shows loading but no compressed ...

The oil free rotary screw air compressor utilizes specially designed air ends to compress air, without oil, in the compression chamber. This yields true oil free air.

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

Rotary screw air compressors are a type of gas compressor that uses two interlocking screws, or rotors, to compress air. Unlike piston-driven ...

What Is an Air Compressor Duty Cycle? An air compressor duty cycle is the portion of time a compressor pump runs relative to the compressor's total ...

The air compressor intermittent and continuous operation may be caused by a variety of reasons. The following are some common reasons and corresponding solutions:1. ...

Rotary screw air compressors are a popular choice for industries requiring a reliable and efficient source of compressed air. These compressors are known for their ability to provide continuous ...

A rotary screw air compressor is one of the two types of positive displacement gas compressors. It uses two rotors to create the pressure needed for air ...

**OIL INJECTED ROTARY SCREW COMPRESSORS** The oil injected rotary screw compressor is a positive displacement type, which means that a given quantity of air or gas is trapped in a ...



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