



How to debug the screw of Hanjun air compressor

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.

How many BTU per hour does a 50 horsepower compressor reject?

Rule of Thumb: A 50-horsepower compressor rejects heat at approximately 126,000 Btu per hour. Two fluids of different starting temperatures flow through the heat exchanger. One flows through the tubes (tube side), and the other flows through the shell (shell side).

How does an air compressor heat a lubricant?

Ambient atmospheric air is heated by passing it across the system's aftercooler and oil cooler, where it extracts heat from both the compressed air and the lubricant. Rule of Thumb: A 50-horsepower compressor rejects heat at approximately 126,000 Btu per hour. Two fluids of different starting temperatures flow through the heat exchanger.

What should I do if my air compressor is too low?

If the capacity of the air compressor is really too low, check the following: Check differential pressure over oil separator. Replace separator when necessary. Check and replace compressed air filters (if installed). Compressor does not unload. Check if pressure switch is correctly set and working.

How to prevent cold temperature when compressor is shutdown?

Consider prevailing wind to prevent cold temperature when the compressor is shutdown. Cold oil temperature in the radiator and sump can cause insufficient oil circulation due to high viscosity. Compressor discharge pressure is normal but the entire shop has low pressure. Low at the main line plant air header?

How do I know if my air compressor is working?

If you have a compressed air dryer, check the dewpoint. Check the current draw with a current clamp meter. If the motor draws excessive current: Try to turn the compressor by hand. It should be possible to turn it around. It should turn around smoothly, without any 'hiccups' (be sure to completely shut down the air compressor!).

Screw Air Compressor Troubleshooting Screw air compressors are the backbone of many industries, delivering reliable, high-performance compressed air for various applications. ...

Common Issues in Rotary Screw Air Compressors Complaints Production interruptions Poor compressor reliability Air quality problems water & oil in the compressed air Product scrap rate ...



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If you have an air compressor, you know that the pressure regulator is an important part of the system. The pressure regulator controls the amount of air that is released from the ...

Regular air compressor maintenance is essential for extending the lifespan of your equipment and keeping it running at optimal efficiency. No ...

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

Before we dive into rotary-screw air compressors, it's important to understand that there are many types of air compressors. Air compressors are used in a range of applications from industrial, ...

Turbomachinery Magazine connects engineers and technicians with insights on industry trends, turbines, compressors, power generation, and ...

Screw Air Compressor Problems and Solutions Understanding Common Screw Air Compressor Issues Screw air compressors are reliable tools used in many industries, but they ...

All machines of Hanjun can be customized and developed according to your needs, including machine configuration, machine shape, machine size, etc., to provide you with the most ...

These can give high-quality air free from pollutants that can be used in delicate applications. Variable Speed Screw Compressor Variable ...

The installation process of a screw air compressor typically includes the following steps: Determine the Installation Location: Choose a flat and stable foundation that allows sufficient space for ...

Screw compressors, specifically rotary screw compressors, are integral to various industrial operations due to their efficiency and reliability in delivering compressed air. A ...

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Air compressor repair involves diagnosing issues and replacing faulty parts to restore functionality. Regular maintenance can prevent many ...

Join Keynote Speaker Tom Taranto, Owner of Data Power Services, as he discusses common issues that negatively impact compressed air system reliability. Topics ...

These can give high-quality air free from pollutants that can be used in delicate applications. Variable Speed



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Screw Compressor Variable speed compressors are efficient ...

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To adjust the cut-out pressure on an air compressor, locate the pressure switch and turn the appropriate adjustment screw. Ensure the ...

Looking for an air compressor for various applications? The rotary screw air compressor is right machine. Learn more about rotary screw air ...

Rotary screw compressors are the mainstays of the industrial world. They are extremely common in industrial and manufacturing settings and are used for ...

Gas air compressor unloader valves are one of the numerous small, common and essential parts of an air compressor and the whole pressure maintenance process. They are a ...

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

The air compressor does not start Check the fuse, motor, and thermal relay and other equipment. Ensure that these devices are in a normal ...

If you have two air compressors, you may be wondering how to connect them together. There are a few different ways that you can do this, and the method that you choose ...

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 ...

If you're looking for a way to attach a blow gun to an air compressor, there are a few things you'll need to do. First, make sure that the air compressor is properly secured. ...

An air compressor unloader valve with throttle control is a great way to save energy and money on your air compressor. By using this type of valve, you can adjust the amount of ...

Learn effective debugging techniques for single-stage compression variable frequency screw machines. Ensure optimal pressure regulation and prioritize safety in air ...

Knowing how to use an air compressor allows you to utilize pro-grade tools such as nail guns, impact wrenches, and paint sprayers. Here is the ultimate guide.



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