

Fixed air compressor interview questions

How does a double acting compressor work?

When one side is performing the suction stroke, the other side will be performing compression & delivery of compressed air. Theoretically a double acting compressor will deliver twice the amount of compressed air compared to a single acting compressor of the same size and speed.

What is a positive displacement rotary compressor?

Define positive displacement rotary compressor and dynamic displacement compressor. In positive displacement rotary type compressor the air is entrapped in between two sets of engaging surfaces. The pressure rise is either by back flow of air or both by variation in the volume and back flow.

What are the different types of air compressors?

Compression ratio. 6. Classify the types of air compressors. According to the number of cylinder: Single cylinder and Multi cylinder. According to the pressure limit: Low pressure, Medium pressure and High pressure compressor. According to the capacity: Low capacity, Medium capacity and High capacity compressor.

What is double acting reciprocating compressor?

In double acting reciprocating compressor, the suction, compression and delivery of air take place on both sides of the piston. 2. What is meant by single stage compressor? In single stage compressor, the compression of air from the initial pressure to the final pressure is carried out in one cylinder only.

What is inter cooling in Multistage air compressor?

The purpose of inter cooling in multistage compression is to reduce the temperature without reduction in pressure. It is placed between LP cylinder and HP cylinder. When air flows through it, the temperature is reduced by maintaining the water circulation. 30. What are the differences between rotary air compressor and reciprocating air compressor?

What do you mean by efficiency of a compressor?

33. Define volumetric efficiency of the compressor. It is the ratio of actual volume of air drawn in the compressor to the stroke volume of the compressor. 34. Define mechanical efficiency. It is the ratio of indicated power to shaft power or brake power of motor. 35. Define Isentropic efficiency.

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What are the different types of air compressors? Answer: The main types include reciprocating, rotary screw, rotary vane, centrifugal, and axial flow compressors. Each has its own ...

Aircompressor Interview Question and Answer {Part - 02}, Aircompressor Interview Question, air compressor interview questions, air compressor interview questions in hindi, air compressor ...

Compressors Interview Questions with Answers Question: 1. What Is Cfm? Answer: The notation CFM (Cubic Feet consistent with Minute) refers to a quantity of air ...

Air compressors are essential components in many industrial and commercial applications, providing the necessary power to operate pneumatic ...

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What are the main components of a reciprocating air compressor? Answer: A reciprocating air compressor typically includes a crankcase, connecting rod, piston, cylinder, valves (intake and ...

Questions Asked in Compressed Air Systems Interview Q 1. Explain the different types of air compressors. Air compressors are categorized based on their compression ...

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Best Compressors Interview Questions Part - 2 What Is Cfm? The notation CFM (Cubic Feet per Minute) refers to a volume of air produced by the air compressor at a given ...

What is your experience with different types of air compressors? (reciprocating, rotary screw, centrifugal, etc.) Answer: I have extensive experience working ...

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How do you interpret pressure gauges and other monitoring devices on an air compressor? Answer: I understand how to read and interpret pressure gauges, temperature gauges, and ...



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What are your key responsibilities as an air compressor operator? Answer: My key responsibilities include monitoring the air compressor system, ensuring optimal performance, performing ...

Air compressors can be classified based on their mechanism and stage of compression. Isothermal efficiency is the ratio of isothermal work to polytropic ...

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This set of Thermal Engineering Multiple Choice Questions & Answers (MCQs) focuses on "Reciprocating Compressor - Set 2". 1. Which of the following is the effect of increase in ...



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