

Customized Instrument And Service Air Skid For Air Delivery In Power Generation Oil And Gas And More

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CCS CE
- Model Number: NG -100

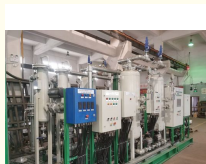


Product Specification

- Air Dryer Type: PSA And Refrigerated
- Control Power: 110-240V 50/60Hz 0.5kw
- Model: IASK-2020
- Control Panel: HMI Touch Screen
- Material: Carbon Steel
- Size: Customizable
- Compressor Capacity: 50 HP
- Operating Pressure: 100 Psi
- Warranty: 1 Year
- Standard: ASME Or PED Or Others
- Dew Point: -40°F
- Flow Rate: Depends On Customer's Needs
- Compressor Type: Reciprocating
- Vessel Standard: ASME VIII.1
- Certifications: ASME, CE, ISO



More Images



Product Description

GASPU Engineering Project Solutions has provided IA and SA packages to various well-known global international EPC contractors and engineering companies. We offer a broad portfolio of products and technologies used to deliver reliable, high-quality air to projects in a range of industries, from power generation, oil and gas, and mining to chemicals, manufacturing and water treatment. Our team of experts will work with you to plan, design and deliver a customized IA&SA solution to meet your project's specific needs.

Instrument and service air (IA&SA) equipment is used in a wide range of industries, from power generation and oil and gas to chemicals and manufacturing. IA&SA systems usually consist of compressors, dryers, mufflers, receivers, coolers and control systems, which work together to provide stable and reliable air to various plant users; some of them play a vital role in maintaining plant operation and safety. Therefore, any equipment or system used needs to be appropriately designed and capable of producing the right amount of high-quality air required by the user. Some special factories need to use nitrogen, and a nitrogen generator can be added to the system design.

The IA and SA systems are a fully assembled and integrated air compressor, including all necessary piping and cabling (power and control) within the packaging area. Such a system includes at least the following equipment/components: An air compressor produces compressed air at a predetermined pressure. There are many different types of air compressors, each using different technologies; including rotating screw, reciprocating, scroll or centrifugal compressors. Due to their compact size, rotary screw compressors are most commonly used in smaller plants to manufacture air. As a complete package, rotary screw compressors offer robust, simple and reliable operation; as well as a high level of availability. Air dryer is used to dehumidify compressed (process) air to significantly reduce or eliminate water vapor present in the airflow, or to eliminate polluted air. Industrial air dryers can be used to reduce the dew point of compressed air to below the lowest temperature obtained on site. Although the most common types of air dryers are adsorption dryers or refrigerant dryers; Adsorption dryers are mainly used for instrument air in EPC contracts. The inlet air filter is used to purify the atmosphere, remove some dust and debris. Air filters are crucial for obtaining the required air quality for the system. Air filtration is crucial for maintaining the

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required level of air quality for systems and processes. Oil and parts filters (online) can also be used to remove dust and parts from the oil to achieve the correct air quality. A storage tank that holds a certain volume of compressed air. They are used when the compressor is shut down or the air demand temporarily exceeds the compressor output. The programmable logic controller (PLC) of the control system controls the compressor, adjusts it according to process requirements, and uses network pressure as a reference variable. The control system also features advanced Model Predictive Controllers (MPC) that communicate with the factory's general control systems, such as Distributed Control Systems (DCS) and Electrostatic Discharge (ESD), to provide further control for the air compressor.

Careful analysis of the customer's technical specifications is crucial for selecting and delivering the correct IA&SA system. This includes a comprehensive understanding of the project, quality standards, environmental certification, and system requirements. The system and suppliers also need to be evaluated according to requirements to ensure that not only the correct equipment is selected, but also suppliers with system and application experts are chosen. To maximize cost savings, product configuration and project integration should be as simple as possible. It is also necessary to consider operating parameters, power supply and required space, as well as maintenance and control requirements to ensure that the selected system meets the requirements of the factory and project. Engineering compressor packages for IA and SA are usually the best choices for most customers and/or EPC projects. Engineering compressor packages tailored to meet specific project requirements can provide factory operators and EPCs with solutions that meet project technical, regulatory, budget, and safety requirements. The air quality standards and requirements may vary greatly even at every point of use within the factory. The correct system needs to be equipped with purification equipment to meet the air quality required for each step of the process.







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