

300SCFM Capacity Get turnkey skid mounted packaged air compressor systems featuring Control Power 110240V 5060Hz 05kw

Our Product Introduction

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Basic Information

- Brand Name: Complete Modular Design And Fabrication For Instrument Air Systems
- Model Number: 005



Product Specification

- Power Supply: Electric
- Filtrationstages: Multi-stage Filtration Including Coalescing And Particulate Filters
- Coating: Epoxy
- Type: Skid
- Model: IASK-2020
- Compressor Brand: Ingersoll Rand
- Compressortype: Oil-free Rotary Screw Compressor
- Control Power: 110-240V 50/60Hz 0.5kw
- Highlight: **skid mounted air compressor system, 300SCFM packaged air compressor, instrument air skid with control power**

Product Description:

The Instrument Air Skid, model IASK-2020, is a state-of-the-art skid mounted packaged air compressor system designed to provide reliable and efficient instrument air solutions for a wide range of industrial applications. Engineered with precision and built for durability, this product offers a complete modular design and fabrication for instrument air systems, ensuring seamless integration and optimal performance in your facility.

One of the standout features of the IASK-2020 is its turnkey skid mounted packaged air compressor system design. This approach means that the entire air compressor system is pre-assembled and tested on a robust skid platform, allowing for quick installation and commissioning at your site. This significantly reduces downtime and installation costs, making it an ideal choice for industries that demand high reliability and operational efficiency.

The heart of the Instrument Air Skid is the high-quality compressor supplied by Ingersoll Rand, a globally recognized brand known for its exceptional engineering and long-lasting performance. The Ingersoll Rand compressor ensures consistent air delivery and pressure stability, which are critical for the smooth operation of sensitive instrumentation and control equipment. With this trusted compressor brand integrated into the IASK-2020, users can expect reliable instrument air compressor systems that meet stringent industry standards.

Powering the system is a versatile control power unit capable of operating within a wide voltage range of 110-240V and a frequency of 50/60Hz, consuming just 0.5 kW of power. This flexibility allows the Instrument Air Skid to be deployed in various geographic locations and electrical environments without the need for additional power conversion equipment, enhancing its adaptability and ease of use.

To ensure the highest air quality, the IASK-2020 includes multi-stage filtration comprising coalescing and particulate filters. This sophisticated filtration system effectively removes oil, water, and particulate contaminants from the compressed air, delivering clean, dry air suitable for sensitive instrumentation. The multi-stage filtration not only protects downstream equipment from damage and wear but also extends the overall lifespan of the air system, reducing maintenance requirements and operational costs.

With its compact and modular design, the Instrument Air Skid is engineered for easy transportation and installation, making it an excellent solution for projects that require rapid deployment. The skid-mounted configuration also facilitates straightforward maintenance and troubleshooting, as all critical components are accessible and organized in a single, cohesive unit.

In summary, the IASK-2020 Instrument Air Skid offers a comprehensive and reliable solution for industrial instrument air needs. By choosing this product, you gain access to turnkey skid mounted packaged air compressor systems that combine the best of modular fabrication, trusted compressor technology, and advanced filtration. Whether you are upgrading your existing air system or setting up a new facility, the IASK-2020 is designed to deliver consistent, high-quality instrument air with minimal hassle and maximum efficiency.

Technical Parameters:

Pipeline Standard	EN 10204-3.1 Or ASME B31.3
Compressor Type	Oil-free Rotary Screw Compressor
Maximum Pressure	150 Psi
Control System	PLC
Power Supply	Electric
Coating	Epoxy
Compressor Brand	Ingersoll Rand
Compressor Capacity	50 HP
Filtration Stages	Multi-stage Filtration Including Coalescing And Particulate Filters
Air Flow Rate	1000 SCFM

Applications:

The Instrument Air Skid product, model IASK-2020, from Complete Modular Design And Fabrication For Instrument Air Systems, is an advanced and reliable solution designed to meet the demanding needs of various industrial applications. Originating from Suzhou, China, this skid-mounted system features a 50 HP compressor with an instrument air capacity of 300 SCFM, ensuring consistent and high-quality air supply for critical instrument operations. The electric power supply and PLC control system further enhance its efficiency and operational stability, making it ideal for automated and continuous process environments.

Instrument air skids packages like the IASK-2020 are widely used in industries such as petrochemical, pharmaceutical, food and beverage, power generation, and manufacturing. These sectors require clean, dry, and oil-free compressed air to operate sensitive instruments, valves, and control systems. The compact and modular design of this instrument air skid allows for easy integration into existing plant infrastructure, reducing installation time and minimizing downtime.

Custom Skid Membrane Instrument Air Systems, such as this product, provide tailored solutions that meet specific client requirements. The modular fabrication ensures flexibility in design, allowing customization for varying capacities and configurations. These systems are engineered to deliver reliable instrument air with minimal maintenance, ensuring operational continuity and safety in critical applications.

End-users can get turnkey skid mounted packaged air compressor systems that are factory-tested and ready for immediate deployment. This comprehensive approach simplifies project execution by providing a single-source solution that includes the compressor, air treatment units, control panel, and all necessary piping and instrumentation. Such turnkey solutions are particularly beneficial in complex projects where time and resource optimization are paramount.

Overall, the IASK-2020 Instrument Air Skid from Complete Modular Design And Fabrication For Instrument Air Systems offers robust performance, ease of integration, and customization flexibility. It is an essential component in any industrial setting where reliable instrument air supply is critical for operational success, safety, and efficiency.

Customization:

Our Complete Modular Design And Fabrication For Instrument Air Systems offers exceptional Product Customization Services tailored to meet your specific needs. The Instrument Air Skid model IASK-2020 (Model Number: 005) is engineered with a focus on reliability and efficiency, featuring an Oil-free Rotary Screw Compressor with an IA Capacity of 300SCFM. Manufactured in Suzhou, China, this system incorporates a state-of-the-art PLC Control System to ensure precise operation and monitoring.

We specialize in delivering Custom Skid Membrane Instrument Air Systems that comply with rigorous Pipeline Standards such as EN 10204-3.1 or ASME B31.3, guaranteeing safety and quality. Our Instrument air skids packages are designed to be modular and easily integrated into existing infrastructures, providing flexibility and scalability for various industrial applications.

Whether you require a standard setup or a fully customized Instrument air skids package, our team is equipped to fabricate solutions that align with your project requirements. Trust our expertise in Complete Modular Design And Fabrication For Instrument Air Systems to supply durable, efficient, and compliant instrument air skids packages tailored specifically for your operational demands.

Packing and Shipping:

The Instrument Air Skid is carefully packaged to ensure maximum protection during transit. Each skid is securely mounted on a durable wooden pallet, wrapped with industrial-grade shrink film, and cushioned with foam padding to prevent damage from vibrations and shocks. All sensitive components are labeled and covered to avoid exposure to dust and moisture.

For shipping, the Instrument Air Skid is transported using reliable freight carriers experienced in handling industrial equipment. The package is clearly marked with handling instructions and safety warnings. Comprehensive documentation, including packing lists and certificates of conformity, accompanies the shipment to facilitate smooth customs clearance and delivery.

Our logistics team monitors the shipment throughout the delivery process to ensure timely arrival and safe handling. Upon receipt, customers are advised to inspect the package immediately for any signs of damage and report any issues to our support team for prompt resolution.



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