

1000 SCFM Custom Skid Membrane Instrument Air Systems Compliant Pipeline Standard EN 10204-3.1 Or ASME B31.3 for Air Management

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

- Dryingmethod: Refrigerated Or Desiccant Air Dryer
- Pipeline Standard: EN 10204-3.1 Or ASME B31.3
- Model: IASK-2020
- Compressor Capacity: 50 HP
- Type: Skid
- la Capacity: 300SCFM
- Filtrationstages: Multi-stage Filtration Including Coalescing And Particulate Filters
- Control System: PLC
- Highlight: **1000 SCFM instrument air skid, custom membrane air system, EN 10204-3.1 compliant pipeline**

Product Description:

The Instrument Air Skid Model IASK-2020 is a state-of-the-art solution designed to meet the demanding requirements of industrial applications that rely on clean, dry, and reliable compressed air. Featuring a powerful 50 HP compressor from the reputable Ingersoll Rand brand, this skid-mounted packaged air compressor system offers exceptional performance, durability, and efficiency. Engineered to provide turnkey skid-mounted packaged air compressor systems, the IASK-2020 ensures seamless integration into your existing infrastructure, minimizing installation time and operational disruptions.

One of the standout features of the IASK-2020 is its versatile drying method options, which include both refrigerated and desiccant air dryers. This flexibility allows users to select the optimal drying technology based on the specific moisture removal requirements of their processes. The refrigerated air dryer is ideal for general-purpose applications where moderate dew points are sufficient, while the desiccant air dryer offers ultra-low dew points for highly sensitive instrumentation and control systems. This adaptability makes the Instrument Air Skid suitable for a wide range of industries including oil and gas, petrochemical, pharmaceuticals, and manufacturing. Designed with user convenience and operational efficiency in mind, the system operates on a control power supply ranging from 110 to 240 volts at 50/60 Hz with a power consumption of just 0.5 kW. This wide voltage range ensures compatibility with various electrical infrastructures worldwide, making the IASK-2020 a truly global solution. The low power consumption of the control system further contributes to reducing overall operational costs, enhancing the sustainability profile of your compressed air installation.

Our Custom Skid Membrane Instrument Air Systems provide tailored solutions that address the unique needs of each customer. The IASK-2020 can be customized with membrane filters, specialized control panels, and auxiliary equipment to optimize performance for particular applications. This customization capability ensures that the instrument air skids packages you receive are perfectly aligned with your process specifications, regulatory requirements, and space constraints. Our experienced engineering team works closely with clients to design and deliver bespoke systems that maximize reliability, efficiency, and ease of maintenance.

Built on a robust skid frame, the IASK-2020 offers excellent portability and compactness, facilitating easy transport and installation even in challenging environments. The skid-mounted design integrates all critical components—including the Ingersoll Rand compressor, air dryer, filtration units, and control panel—into a single, factory-assembled package. This reduces the need for extensive on-site assembly and testing, allowing for quicker commissioning and faster return on investment.

Instrument air is a critical utility in many industrial processes, providing clean, dry, and oil-free air necessary for the operation of pneumatic instruments, control valves, and other sensitive equipment. The IASK-2020 instrument air skid packages ensure the highest quality of compressed air by incorporating advanced filtration and drying technologies. This protects your instrumentation from moisture, contaminants, and corrosion, thereby extending equipment life and enhancing process reliability.

In summary, the Instrument Air Skid Model IASK-2020 is an ideal choice for businesses looking to acquire turnkey skid mounted packaged air compressor systems that combine high performance, flexibility, and reliability. With a robust 50 HP Ingersoll Rand compressor, versatile refrigerated or desiccant air drying options, efficient control power requirements, and the ability to customize skid membrane instrument air systems, this product stands out as a comprehensive solution for your instrument air needs. Invest in the IASK-2020 to ensure consistent, high-quality instrument air supply and to optimize your operational efficiency through expertly engineered instrument air skids packages.

Technical Parameters:

Control Power	110-240V 50/60Hz 0.5kw
Pipeline Standard	EN 10204-3.1 Or ASME B31.3
Compressor Capacity	50 HP
Control System	PLC
Air Flow Rate	1000 SCFM
Type	Skid
Filtration Stages	Multi-stage Filtration Including Coalescing And Particulate Filters
Compressor Type	Oil-free Rotary Screw Compressor
Power Supply	Electric
Coating	Epoxy

Get turnkey skid mounted packaged air compressor systems. Complete modular design and fabrication for instrument air systems, ensuring high efficiency and reliability.

Applications:

The Complete Modular Design And Fabrication For Instrument Air Systems, model number 005, originating from Suzhou, China, offers a highly reliable and efficient Instrument Air Skid designed to meet diverse industrial needs. This skid type system, powered by a robust 50 HP electric compressor, delivers an impressive air flow rate of 1000 SCFM with an IA capacity of 300 SCFM, ensuring consistent and high-quality instrument air supply crucial for sensitive instrumentation and control applications.

Our Instrument Air Skid product is ideal for various application occasions and scenarios where clean, dry, and oil-free compressed air is mandatory. It is widely used in chemical plants, oil and gas facilities, pharmaceutical manufacturing, power generation stations, and food processing industries. In these settings, the instrument air system plays a critical role in operating pneumatic instruments, valves, and control systems, ensuring operational reliability and safety.

For industries requiring customized solutions, we offer Custom Skid Membrane Instrument Air Systems that can be tailored to specific site requirements and operational parameters. These custom skids facilitate seamless integration into existing infrastructure, providing turnkey skid mounted packaged air compressor systems that minimize installation time and startup costs. The modular design allows for easy scalability and maintenance, making it a preferred choice for expanding industrial operations.

Our Instrument Air Skid packages are engineered with precision to provide optimal air quality and pressure stability. They are equipped with advanced filtration and drying components to eliminate contaminants and moisture, thereby protecting sensitive instrumentation from damage and ensuring longevity. The skid-mounted design enhances portability and simplifies onsite installation, making it suitable for both permanent installations and temporary project sites.

In summary, the Complete Modular Design And Fabrication For Instrument Air Systems model 005 is a versatile and dependable solution for providing high-quality instrument air in a variety of industrial applications. Whether you need standard instrument air skids packages or custom-designed membrane systems, our product delivers unmatched performance, efficiency, and ease of use, meeting the rigorous demands of modern industrial environments.

Customization:

Our Instrument Air Skid product, model number 005, from the brand Complete Modular Design And Fabrication For Instrument Air Systems, offers custom skid membrane instrument air systems tailored to your specific needs. Manufactured in Suzhou, China, this turnkey skid mounted packaged air compressor system features a high-quality Ingersoll Rand oil-free rotary screw compressor, ensuring reliable and efficient operation. The system incorporates multi-stage filtration, including coalescing and particulate filters, to deliver clean and dry instrument air suitable for various applications. Powered by an electric power supply and protected with a durable epoxy coating, our instrument air skids packages provide long-lasting performance and corrosion resistance. Choose our customized solutions to get a fully integrated and ready-to-use instrument air skid that meets your operational requirements.

Packing and Shipping:

The Instrument Air Skid is carefully packaged to ensure maximum protection during transportation. Each skid is securely mounted on a sturdy base frame and wrapped with protective materials to prevent damage from moisture, dust, and mechanical impact. Critical components are individually cushioned and fixed to avoid movement within the packaging.

For shipping, the Instrument Air Skid is loaded using appropriate lifting equipment and secured in the container or truck to minimize vibrations and shocks. All necessary handling instructions and safety labels are clearly marked on the packaging. The product is shipped with comprehensive documentation, including packing lists, handling guidelines, and certification papers, to facilitate smooth customs clearance and safe delivery to the installation site.



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