



## 50 HP Instrument Air Skid Electric Power Supply Maximum Pressure 150 Psi Ideal for Instrumentation and Control Systems

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

- Compressor Brand: Ingersoll Rand
- Compressor Capacity: 50 HP
- Filtrationstages: Multi-stage Filtration Including Coalescing And Particulate Filters
- Maximum Pressure: 150 Psi
- Control Power: 110-240V 50/60Hz 0.5kw
- Dryingmethod: Refrigerated Or Desiccant Air Dryer
- Power Supply: Electric
- Model: IASK-2020
- Highlight: **50 HP instrument air skid,  
electric power supply air skid,  
150 psi instrument control system**

### Product Description:

The Instrument Air Skid is a highly efficient and reliable solution designed for providing clean, dry, and oil-free instrument air essential for various industrial applications. This product features a complete modular design and fabrication for instrument air systems, ensuring ease of installation, maintenance, and scalability. Engineered with precision, the Instrument Air Skid is tailored to meet the stringent requirements of modern industries that demand consistent and high-quality instrument air supply.

One of the key highlights of this Instrument Air Skid is its advanced control system, powered by a Programmable Logic Controller (PLC). The PLC-based control system guarantees precise monitoring and control of the entire air skid operation, enhancing performance, safety, and operational efficiency. The control power for this system operates within a versatile voltage range of 110-240V at 50/60Hz, consuming only 0.5 kW of power, which reflects its energy-efficient design.

The compressor integrated into this Instrument Air Skid boasts a robust capacity of 50 HP, providing ample power to generate a steady and reliable air flow that meets the demands of complex instrumentation setups. This powerful compressor is complemented by a multi-stage filtration system, which includes advanced coalescing and particulate filters. These filtration stages are meticulously designed to remove oil, moisture, and solid contaminants, ensuring that the instrument air supplied is of the highest purity and free from impurities that could potentially damage sensitive instruments.

Durability and longevity are critical considerations in the design of the Instrument Air Skid. To this end, the entire system is coated with high-quality epoxy, providing excellent resistance against corrosion, chemical exposure, and harsh environmental conditions. This epoxy coating not only extends the service life of the skid but also maintains its aesthetic appeal and structural integrity over time.

Custom Skid Membrane Instrument Air Systems are also an integral part of our product offerings. These custom systems are designed to meet specific client requirements, providing tailored solutions that incorporate membrane technology for efficient air separation and purification. By leveraging custom skid membrane instrument air systems, clients benefit from enhanced flexibility, optimized performance, and reduced operational costs, making it an ideal choice for specialized applications.

The complete modular design and fabrication for instrument air systems incorporated in this product ensure that each component is pre-engineered and factory-assembled into a compact skid. This modularity simplifies transportation and onsite installation, significantly reducing downtime and commissioning time. Furthermore, the modular approach allows for easy expansion or customization, enabling clients to adapt the system as their operational needs evolve.

In summary, the Instrument Air Skid combines a powerful 50 HP compressor, PLC-based control system, comprehensive multi-stage filtration including coalescing and particulate filters, and durable epoxy coating to deliver a dependable and efficient instrument air solution. Whether you require a standard configuration or a Custom Skid Membrane Instrument Air System, this product stands out as a superior choice for industries seeking reliability, performance, and ease of integration in their instrument air supply systems.

### Technical Parameters:

Type	Skid
Power Supply	Electric
Compressor Capacity	50 HP
Compressor Brand	Ingersoll Rand
Compressor Type	Oil-free Rotary Screw Compressor
Maximum Pressure	150 Psi
Air Flow Rate	1000 SCFM
Control System	PLC
Control Power	110-240V 50/60Hz 0.5kw
Coating	Epoxy

Get turnkey skid mounted packaged air compressor systems. Custom Skid Membrane Instrument Air Systems, Get turnkey skid mounted packaged air compressor systems.

### Applications:

The Complete Modular Design And Fabrication For Instrument Air Systems, model number 005, originating from Suzhou, China, represents a cutting-edge solution in reliable instrument air compressor systems. This instrument air skid, specifically the IASK-2020 model, is engineered to deliver an impressive IA capacity of 300SCFM, ensuring consistent and efficient air supply for various industrial applications. Equipped with an oil-free rotary screw compressor, this skid guarantees clean, contaminant-free air, which is crucial for maintaining the integrity and performance of sensitive instrumentation.

Instrument air skid packages like this are essential in industries where precise control and reliability are paramount. The electric power supply ensures energy-efficient operation, while the adherence to stringent pipeline standards such as EN 10204-3.1 or ASME B31.3 highlights the product's commitment to safety and quality. These reliable instrument air compressor systems are widely utilized in chemical plants, pharmaceutical manufacturing, food and beverage processing, and semiconductor production, where instrument air quality directly impacts process control and product quality.

Moreover, the modular design facilitates easy installation and maintenance, making it an ideal choice for both new facilities and upgrades of existing systems. The Complete Modular Design And Fabrication For Instrument Air Systems' package offers flexibility to accommodate varying capacity requirements and site conditions. This makes it suitable for use in power generation, oil and gas refineries, and petrochemical industries, where uninterrupted and high-quality instrument air supply is critical to operational safety and efficiency.

In addition to industrial plants, the reliable instrument air compressor systems provided by this product are also applied in research laboratories and testing facilities, where precision and cleanliness of instrument air are vital. The oil-free rotary screw compressor

technology ensures minimal downtime and extends the lifespan of both the compressor and downstream equipment, underscoring its value in continuous process environments.

In summary, the Instrument Air Skid Model 005 from Suzhou, China, embodies the ideal combination of reliability, efficiency, and compliance. Its robust performance and modular nature make it an indispensable component in a wide range of application occasions and scenarios, where dependable instrument air is a necessity for operational excellence.

### Customization:

Our Instrument Air Skid product, model number 005, from the brand Complete Modular Design And Fabrication For Instrument Air Systems, is expertly designed and manufactured in Suzhou, China. This skid features a reliable oil-free rotary screw compressor, ensuring efficient and clean air delivery with a capacity of 300 SCFM. Coated with durable epoxy, the skid is built to withstand harsh environments, providing long-lasting performance.

We specialize in providing reliable instrument air compressor systems that meet your specific needs. Our turnkey skid mounted packaged air compressor systems are designed for easy installation and seamless integration into your existing setup. Powered by electric supply, this skid ensures energy-efficient operation with minimal maintenance.

Choose our Instrument Air Skid for a dependable, high-quality solution that guarantees consistent performance. Get turnkey skid mounted packaged air compressor systems tailored to your requirements, backed by expert design and fabrication from Suzhou, China.

### Packing and Shipping:

The Instrument Air Skid is carefully packaged to ensure maximum protection during transportation. Each skid is securely mounted on a robust steel frame and wrapped with industrial-grade shrink film to safeguard against dust, moisture, and mechanical damage. All delicate components are cushioned with high-density foam and shock-absorbing materials to prevent impact damage.

For shipping, the Instrument Air Skid is loaded using specialized lifting equipment to avoid any strain or deformation. It is then placed inside a custom-built wooden crate designed to provide structural support and stability throughout transit. The crate is clearly labeled with handling instructions and orientation markers to ensure proper care by logistics personnel.

We coordinate with trusted freight carriers experienced in handling industrial equipment to guarantee timely and safe delivery.

Additionally, all shipments include comprehensive documentation such as packing lists, shipping manifests, and compliance certificates to facilitate smooth customs clearance and tracking.



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