

Mobile Drying Air Station

Custom Solutions













Product Description

We are a professional manufacturer specializing in compressed air purification equipment, with products including refrigerated air dryers, adsorption air dryers and other related equipment. Our mobile drying air stations integrate compressed air drying, purification, filtration and temporary storage into one, featuring flexible mobility and efficient purification performance. They are specially designed to provide stable, clean and dry compressed air for various mobile or temporary production scenarios, solving the problem of on-site compressed air drying needs.

Application Industries

Widely used in industries that require mobile and temporary compressed air drying services, including construction engineering, mining operations, oil and gas exploration, outdoor maintenance and construction, emergency rescue, field operations, temporary production lines (food processing, pharmaceutical), shipbuilding, road and bridge construction, and mobile workshop operations. It is also suitable for enterprises that need temporary compressed air drying support during equipment maintenance, factory relocation or production line expansion.

Custom Configuration Service

Please provide us with your key demand parameters: required compressed air flow rate, working pressure, desired pressure dew point (such as -20°C, -40°C, 2-10°C), outdoor working temperature range, mobile frequency, and specific application scenarios. Our professional technical team will combine your actual needs to configure the most suitable mobile drying air station model, including matching appropriate drying equipment (refrigerated/adsorption dryer), precision filters, and auxiliary components, to ensure optimal drying effect and cost-effectiveness.

Optional Materials & Components

- Drying equipment: mobile refrigerated air dryer, mobile adsorption air dryer (optional according to pressure dew point requirements)
- Frame & chassis: carbon steel (anti-rust spray treatment), 304/316L stainless steel (for corrosive outdoor environments); equipped with heavy-duty pneumatic tires or solid tires for easy movement on various road surfaces
- Filtration system: pre-filter, precision oil removal filter, activated carbon filter (to remove dust, oil mist, impurities and odors)
- Control system: PLC intelligent control, touch screen operation, one-key start, automatic monitoring (temperature, pressure, dew point) and fault alarm functions
- Storage tank: carbon steel tank, stainless steel tank (optional capacities to stabilize air pressure and ensure continuous supply)
- Drainage device: electronic automatic drain valve, timed drain valve (anti-clogging, high reliability, no manual drainage required)
- Accessories: pressure gauge, temperature gauge, dew point detector, silencer, emergency stop button, cable reel, rainproof cover (for outdoor use), shock absorption device
- Power supply: electric-driven (for scenarios with power supply), diesel engine-driven (for field or no-power scenarios); voltage can be customized to meet international standards (110V/60Hz, 220V/50Hz, etc.)

Main Features

- Flexible mobility: integrated mobile design, easy to transport and move, can be quickly deployed to on-site working locations, adapting to various complex outdoor environments
- Efficient purification and drying: adopts high-performance drying and filtration components, ensuring stable dew point and clean compressed air, meeting the needs of different industries
- One-stop solution: integrates drying, filtration and temporary storage, no need for separate installation of multiple equipment, saving time and labor costs
- Intelligent and easy operation: full automatic control, simple operation interface, no professional operation experience required, reducing manual management costs
- Customizable design: can be tailored according to different flow, pressure and dew point requirements, highly matching actual application scenarios
- Durable and reliable: high-quality materials and core components, strong corrosion resistance and wear resistance, stable operation in harsh outdoor environments
- Easy maintenance: compact structure, reasonable layout, convenient for daily inspection, maintenance and component replacement

For more detailed models, technical parameters, customization plans and quotation information, please contact us for details.

Refrigerated Air Dryer & Desiccant Air Dryer - Demargo

Demargo (Shanghai) Energy-Saving Technology Co., Ltd. is a national high-tech enterprise and a Shanghai "Specialized,

Refined, Characteristic and Innovative" enterprise, devoting itself to the R&D, production, sales and after-sales service of compressed air purification equipment for 19 years. With a firm commitment to energy conservation, environmental protection and technological innovation, we have grown into a leading manufacturer in the air compression post-treatment industry, providing high-quality, customized solutions for global industrial customers.

Our core strength lies in strong technological research and development capabilities. Up to now, we have owned 24 authorized patents and 22 patents under application, covering key technologies of air drying and purification equipment, which effectively guarantees the stability and energy efficiency of our products. We have passed ISO9001 and QS certifications, and our products comply with international industrial standards, with dew point ranging from -23°C to -70°C, air treatment capacity of 1~500Nm³/min, and outlet oil content as low as 0.003PPM, reaching the industry-leading precision level.

We boast a comprehensive and diverse product portfolio, covering more than 60 product categories, including 21 standard products and a variety of non-standard customized products that lead the industry. Our main products include air compressors and their accessories, air receivers, refrigerated dryers (including plate heat exchanger type, high-temperature air-cooled type, DC inverter type, etc.), adsorption dryers, combined dryers, heat of compression adsorption dryers, filters, zero-air-consumption blower-heated dryers, self-cleaning air filters, compressed air pre-cooling units, low-temperature high-pressure nitrogen pre-cooling units, industrial chillers, oil-water separators, oil removers and aftercoolers, etc.. We support 12 types of product configurations such as air-cooled/water-cooled, fluorine-free/high-temperature, inverter/explosion-proof, and can provide intelligent solutions such as industrial computer and programmable control according to customer needs.

With excellent product quality and professional service, we have won wide recognition in the global market. Our customers are distributed in more than 20 countries and regions around the world, including Brazil, Australia, etc., and we have established in-depth cooperation with more than 20 OEM manufacturers and 2299 brand agents. Our annual output reaches 9,682 sets, and the cumulative sales volume exceeds 100,000 sets, which fully demonstrates the market influence and customer trust in our brand.

Customer-centricity is our consistent service philosophy. We provide a full-cycle service system from pre-sales design, in-sales installation to after-sales maintenance: we promise 30-minute response, 24-hour online guidance and 48-hour on-site service, and ensure spare parts supply response within 24 hours, effectively solving the worries of customers in product use. We are committed to tailoring the most suitable compressed air purification solutions for customers in more than 30 industries such as power, aerospace, electronics, and chemical industry, helping enterprises reduce energy consumption, improve production efficiency and product quality.

Looking forward to the future, Demargo will continue to increase R&D investment, accelerate technological innovation, expand the global market layout, and strive to become a world-class provider of compressed air purification and energy-saving solutions. We sincerely look forward to cooperating with partners from all over the world to jointly promote the development of the global industrial energy-saving and environmental protection industry!

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