

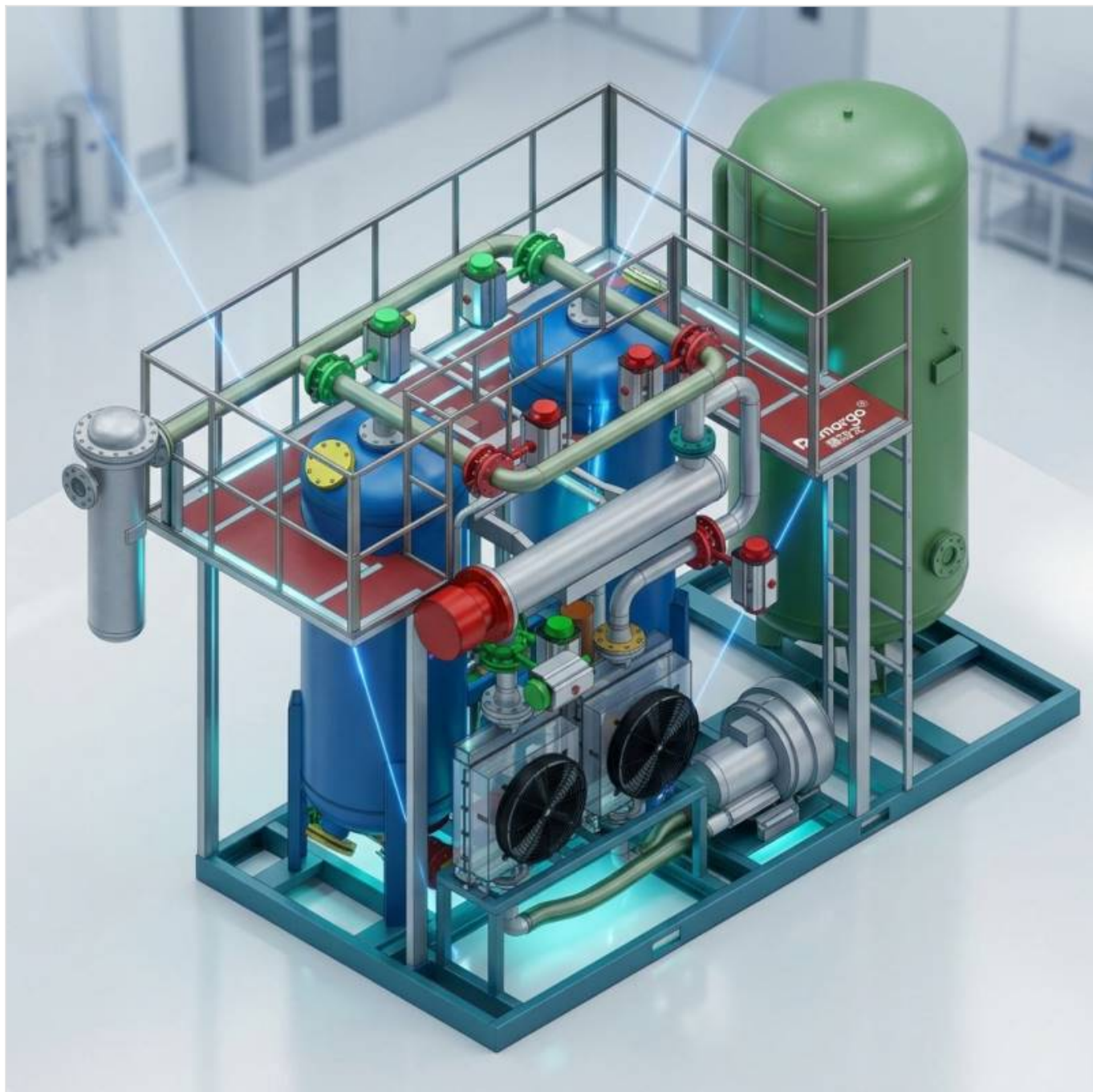
Custom Non-Standard Dryer

Custom Solutions













Product Description

We are a professional manufacturer specializing in compressed air purification equipment, with a complete product range including refrigerated air dryers, adsorption air dryers and custom non-standard dryers. Our custom non-standard dryers are specially developed to meet the unique and special needs of different industries and production scenarios that cannot be satisfied by standard dryers. We adhere to the principle of "customer demand-oriented" and provide personalized design, R&D and manufacturing services to deliver high-quality, tailored compressed air drying solutions.

Application Industries

Widely used in industries with special compressed air drying requirements, including petrochemical, aerospace, electronics & semiconductor, pharmaceutical, food & beverage, precision machinery, metallurgy, mining, marine engineering, and other industries. It is especially suitable for scenarios with special working conditions such as ultra-high pressure, ultra-low temperature, ultra-large flow, limited installation space, or strict dew point requirements, which standard dryers cannot adapt to.

Custom Configuration Service

Please provide us with your detailed demand parameters and scenarios: required compressed air flow rate, working pressure, pressure dew point (such as -70°C, -40°C, 2-10°C), inlet air temperature, ambient temperature, installation space (length, width, height), special working environment (corrosive, high-temperature, low-temperature, dusty, etc.), and any other special requirements. Our professional R&D and technical team will conduct in-depth analysis and design according to your needs, customize the most suitable non-standard dryer model, and provide one-stop solutions from design, production, testing to after-sales service.

Optional Materials & Components

- Dryer type: custom non-standard refrigerated air dryer, custom non-standard adsorption air dryer (heatless, micro-heat, blower heated), custom combined dryer (integrated with filtration, drying and other functions)
- Housing & tank body: carbon steel (anti-rust and anti-corrosion treatment), 304/316L stainless steel, special alloy materials (for corrosive, high-pressure or high-temperature environments)
- Core components: customized heat exchanger (plate type, shell-and-tube type), high-efficiency adsorption material (molecular sieve, activated alumina), scroll/piston compressor (custom power), special refrigerant (R410A, R407C, etc.)
- Control system: PLC intelligent control, touch screen operation, automatic monitoring and adjustment, remote control (optional), fault alarm and data recording functions, custom control logic according to demand
- Filtration system: custom precision filter (different filtration grades optional), oil removal filter, activated carbon filter, special impurity filter
- Drainage device: electronic automatic drain valve, timed drain valve, custom anti-clogging drainage system (for special media)
- Accessories: custom pressure gauge, temperature gauge, dew point detector (online/offline), silencer, shock absorption device, rainproof cover, special connecting pipes and flanges
- Power supply & voltage: customizable according to international standards (110V/60Hz, 220V/50Hz, 380V/50Hz, etc.), special power supply design for special scenarios

Main Features

- Personalized customization: fully tailored according to customer's special needs, perfectly matching the actual working scenario and solving the pain points that standard dryers cannot meet
- High adaptability: can adapt to various harsh and special working conditions such as ultra-high pressure, ultra-low temperature, ultra-large flow and limited space
- Stable and efficient: adopts high-quality custom components and scientific design, ensuring stable drying effect, high efficiency and long service life
- Flexible design: flexible adjustment of structure, size, performance parameters and functions according to customer requirements
- Professional technical support: one-stop service from demand communication, design, production to installation and after-sales, providing professional technical guidance throughout the process
- Compliance with standards: all custom products comply with relevant international and industrial standards, and can meet the special certification requirements of different industries

For more detailed design plans, technical parameters, customization processes 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!

Demargo (Shanghai) Energy Saving Technology Co.,Ltd

Address: No.9, Lane 38, Caoli Road, Fengjing Town, Jinshan District, Shanghai, China

Address: No. 9, Lane 38, Caoli Road, Fengjing Town, Jinshan District, Shanghai

Tel: +8617316541891 / +8617321147609

Email: nora@compressor-airdryer.com / jim@compressor-airdryer.com

WhatsApp: +8617316541891 / +8617321147609