

High-Efficiency Aluminum Plate Heat Exchanger Refrigerated Air Dryer

Refrigerated Air Dryer







压缩空气带水伤设备？
一台德玛戈全搞定！⚠️







Product Description

We are a professional manufacturer specializing in compressed air purification equipment. Our high-efficiency aluminum plate heat exchanger refrigerated air dryers are equipped with advanced aluminum plate heat exchange technology, which can efficiently cool and dehumidify compressed air, quickly remove moisture, oil and impurities, and provide clean, dry and stable compressed air for various industrial production needs.

1. Application Industries

Widely applied in industries that require high-efficiency compressed air drying and stable operation, including automotive manufacturing, electronics & electrical, food & beverage, pharmaceutical, spray painting, machinery processing, textile, packaging & printing, petrochemical, pneumatic automation, and general industrial fields.

2. Custom Configuration Service

Please provide us with your key operating parameters: compressed air flow rate, working pressure, required pressure dew point (2-10°C), inlet air temperature, ambient temperature and installation space. Our professional technical team will combine your actual production scenarios to configure the most suitable high-efficiency aluminum plate heat exchanger

refrigerated air dryer model and overall compressed air purification solution for you.

3. Optional Materials & Components

- Aluminum plate heat exchanger: high-purity aluminum plate (high heat transfer efficiency, corrosion resistance, light weight)
- Refrigerant: R410A, R407C, R134a (environmentally friendly, energy-saving, in line with international environmental standards)
- Compressor: scroll compressor, piston compressor (low noise, high efficiency, stable operation)
- Control system: PLC intelligent control, touch screen operation, automatic temperature control, fault alarm function
- Drain valve: electronic automatic drain valve, timed drain valve (anti-clogging, high reliability)
- Tank body: carbon steel with anti-corrosion coating, stainless steel 304 (optional for special working environments)
- Accessories: pressure gauge, temperature gauge, oil separator, filter element, noise reduction cover
- Voltage & frequency: customizable to meet the power supply standards of different countries and regions (such as 110V/60Hz, 220V/50Hz, 380V/50Hz)

4. Main Features

- High heat exchange efficiency: aluminum plate heat exchanger with large heat transfer area, fast cooling speed, and low pressure drop
- Stable dehumidification effect: precise temperature control, stable pressure dew point, ensuring the quality of compressed air
- Energy-saving and efficient: advanced refrigeration system, low energy consumption, reducing enterprise production costs
- Durable and easy to maintain: high-quality aluminum material, corrosion-resistant and wear-resistant; simple structure, easy to disassemble and maintain
- Compact design: small floor space, light weight, easy to install and move, suitable for various installation environments
- Wide adaptation: strong adaptability to ambient temperature and inlet air temperature, stable operation in harsh working conditions

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!

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