

细节决定成败, 品质造就不同

Details Make Sense, Quality Makes Difference

深耕冷却速冻领域, 构建覆盖工业冷却冷冻多场景的产品矩阵

致力于服务行业发展、服务客户需求, 并可以为客户提供高效专业的OEM/ODM服务

Deeply cultivating the field of cooling and quick freezing, building a product matrix covering multiple scenarios of industrial cooling and freezing

Committed to serving the development of the industry, meeting customer needs, and providing efficient and professional OEM/ODM services to customers

干冷器
Dry cooler

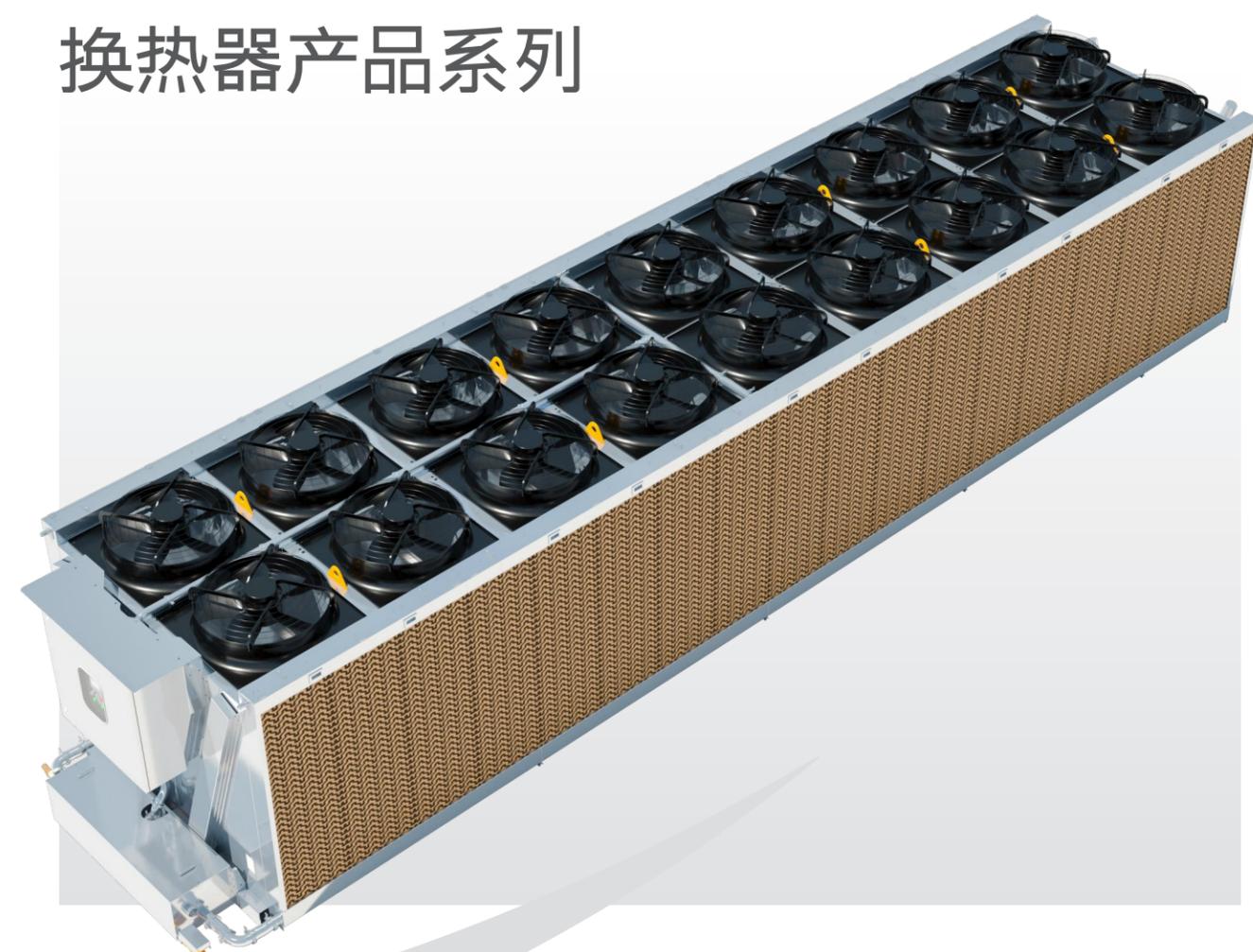
绝热冷却器
Adiabatic cooler

风冷冷凝器
Air-cooled condenser

模块化风冷集装箱
Modular air-cooled container

Preferref® Heat Exchangers

换热器产品系列



大连隆成冷冻设备有限公司
DALIAN YONGSUNG REFRIGERATION CO., LTD.

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Dalian Yongsung Refrigeration Co., Ltd.

大连隆成冷冻设备有限公司

www.yong-sung.com.cn

About Us

关于我们

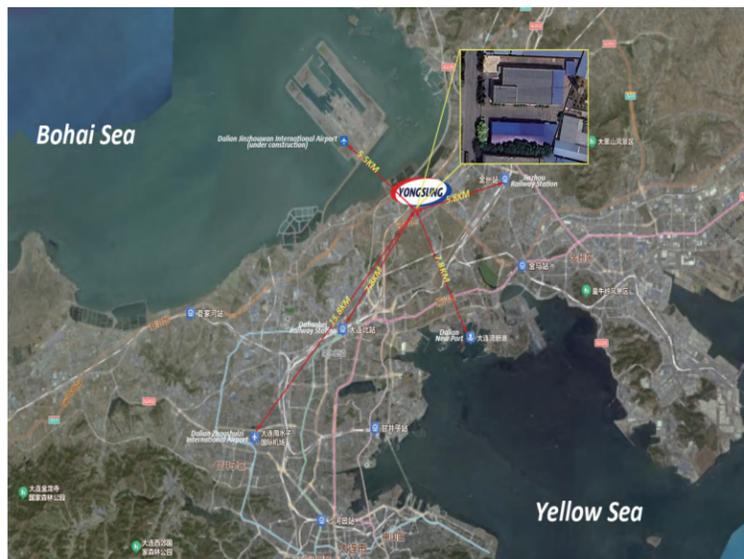
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- 大连隆成冷冻设备有限公司是一家整合研发设计、定制生产、全球贸易与售后服务于一体的集团公司，核心团队深耕冷却速冻领域二十余载，构建起覆盖工业冷却冷冻多场景的产品矩阵。作为国家高新技术企业和专精特新企业，公司通过ISO9001国际质量体系认证，并拥有3项发明专利、16项实用新型和外观专利及8项软件著作权，自主研发干冷器、绝热冷却器、风冷冷凝器、模块化风冷集装箱等核心产品，并注册商标“Preferref”，产品远销美国、加拿大、澳大利亚、印度、南非、中东等多个国家和地区。
- 旗下全资子公司大连隆成绿能传热设备有限公司聚焦速冻食品工业革新，引进韩国隆成公司最新的速冻技术平台，成功开发出“Yongsung”品牌的系列速冻设备，包括炒饭速冻生产线、螺旋速冻机、隧道速冻机等。通过本土化研发团队的持续优化，我们的速冻设备兼具高效和稳定的特点，广泛适用于炒饭、禽肉冻品、米面食品、烘焙产品、鱼糜制品、调理品等产品的速冻与冷却，为全球食品企业提供一站式速冻解决方案。
- **细节决定成败，品质造就不同。**大连隆成冷冻设备有限公司始终将品质服务视为企业发展的脉搏，致力于服务行业发展、服务客户需求，并可以为客户提供高效专业的OEM/ODM服务。
- 我们依托先进的技术和全球数以千计的案例经验，持续发展新质生产力，驱动产业升级，用卓越的产品和服务回馈全球行业客户。



- Dalian Yongsung Refrigeration Co., Ltd. is a comprehensive group company integrating R&D, customized design, manufacturing, global trade, and after-sales services. With a core team boasting over decades of expertise in cooling and freezing technologies, we have built a diverse product portfolio catering to industrial cooling and freezing applications. Recognized as a National High-Tech Enterprise and a Specialized, Sophisticated, SME that Produces New and Unique Products, we are ISO9001-certified and hold 3 invention patents, 16 utility model and design patents, and 8 software copyrights. Our self-developed core products — including dry coolers, adiabatic coolers, air-cooled condensers, and modular air cooling containers—are branded under "Preferref" and exported worldwide to the U.S., Canada, Australia, India, South Africa, the Middle East, and beyond.
- Focusing on innovation in the frozen food industry, our wholly-owned subsidiary - Dalian Yongsung Green Energy Heat Transfer Co., Ltd. has introduced the latest freezing technology from Korea Yongsung Company. We proudly offer the "Yongsung" series of advanced freezing equipment, such as fried rice freezing production lines, spiral freezers, and tunnel freezers. Through continuous optimization by our localized R&D team, these systems deliver high efficiency and reliability for quick freezing and cooling of fried rice, poultry, staple foods, baked goods, surimi products, prepared meals, and more—providing global food enterprises with one-stop freezing solutions.
- **Details Make Sense, Quality Makes Difference.** At Dalian Yongsung Refrigeration, quality service is the cornerstone of our growth. We are committed to advancing industry standards, meeting client needs, and offering tailored OEM/ODM services with professional efficiency.
- Leveraging cutting-edge technology and thousands of global installations, we continuously develop New Quality Productive Forces to drive industrial upgrading. Our mission is to empower global clients with our products and services that redefine excellence.



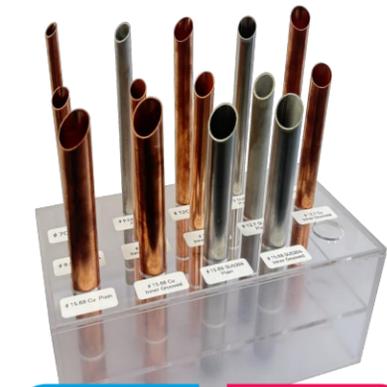
Our Advantages

我们的优势

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- 定制化设计 Full Custom Design
- 精准热力学计算 Exact Thermal Load Matching
- 免安装调试 Plug and Play Deployment
- 免维护潜力 Maintenance Free Potential



管材 Tube

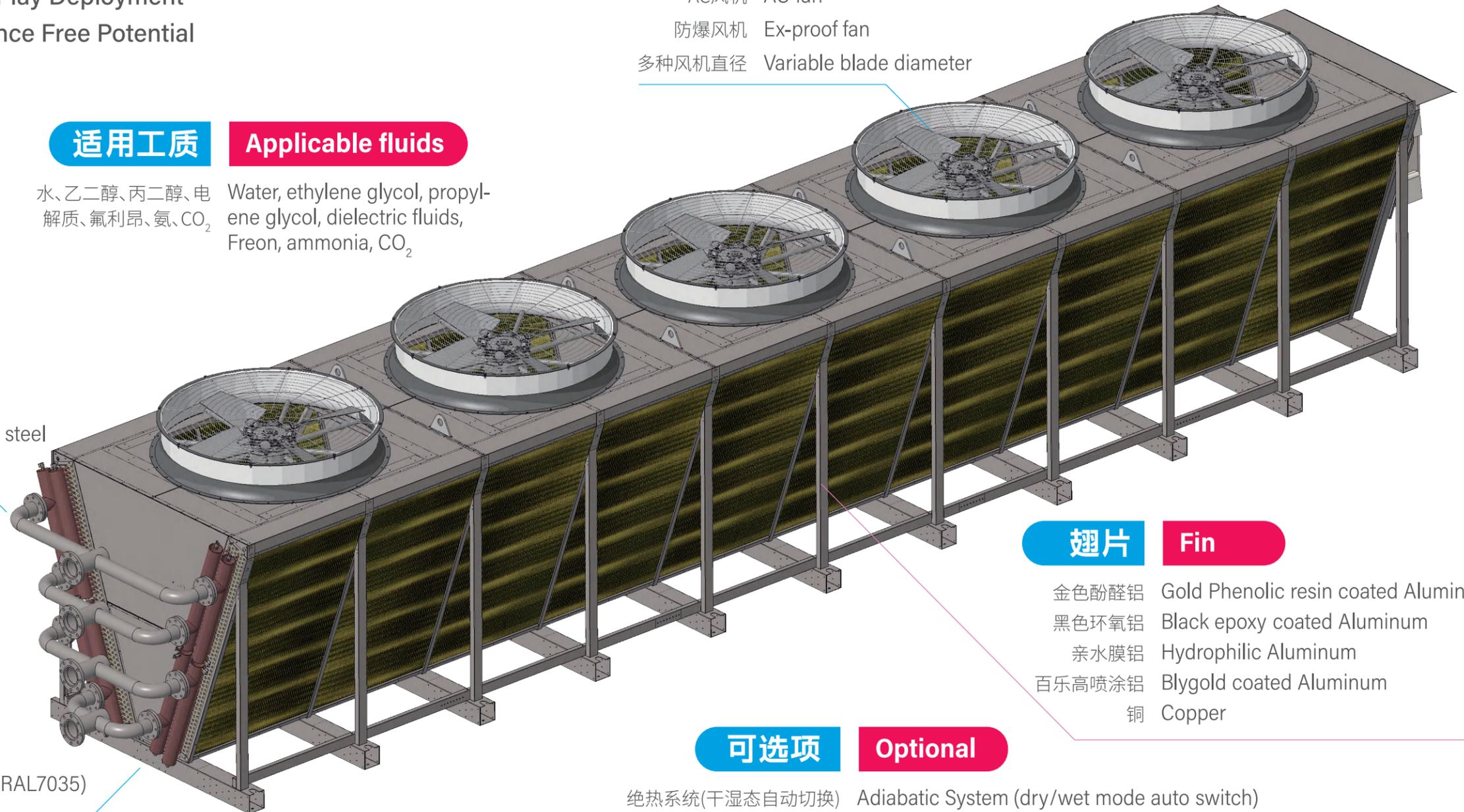
铜 / 不锈钢 Copper / Stainless steel

适用工质 Applicable fluids

水、乙二醇、丙二醇、电解质、氟利昂、氨、CO₂
 Water, ethylene glycol, propylene glycol, dielectric fluids, Freon, ammonia, CO₂

风机 Fan

- EC风机 EC fan
- AC风机 AC fan
- 防爆风机 Ex-proof fan
- 多种风机直径 Variable blade diameter



翅片 Fin

- 金色酚醛铝 Gold Phenolic resin coated Aluminum
- 黑色环氧铝 Black epoxy coated Aluminum
- 亲水膜铝 Hydrophilic Aluminum
- 百乐高喷涂铝 Blygold coated Aluminum
- 铜 Copper

框架 Structure

- 镀锌板喷塑 Galvanized sheet (RAL7035)
- 不锈钢板 Stainless steel

可选项 Optional

- 绝热系统(干湿态自动切换) Adiabatic System (dry/wet mode auto switch)
- 控制系统 Control System
- 维修爬梯和扶手 Maintenance Ladder & Handrail
- 贴牌 OEM

Our Products

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V Type Single Row Fans V型单排风机

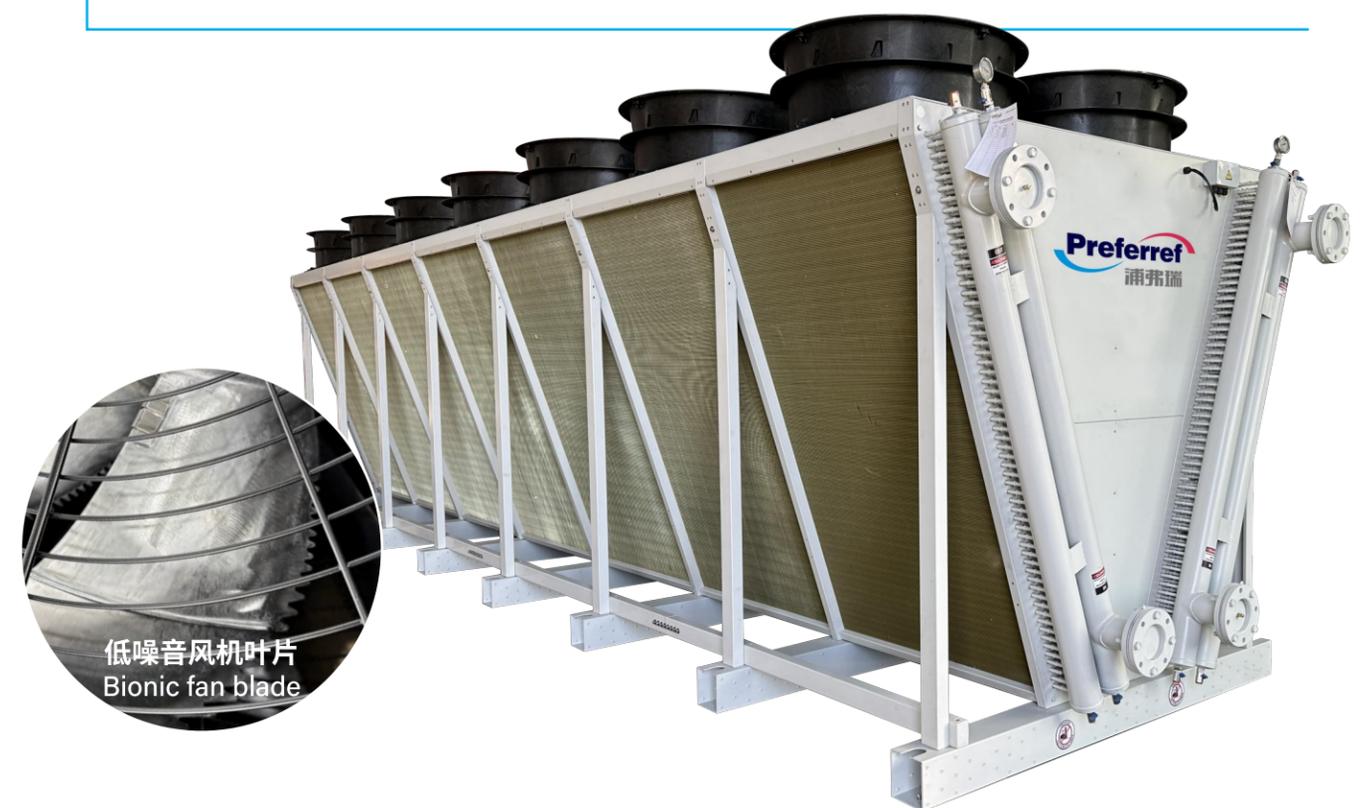
Dry Cooler 干冷器



- V型结构可通过盘管夹角布局形成更大的迎风面积
- 单排大尺寸风机, 1250-1600mm直径风机叶片
- 盘管: 铜管+黑色环氧涂层铝翅片 (防腐性能更强)
- IP55电控柜
- 免维护潜能
- V type structure can form a larger windward area through angled layout of the coil.
- Single row of large fans with $\Phi 1250-1600$ mm fan blades.
- Coil: copper tubes with black epoxy coated aluminum fins for corrosion protection.
- IP55 switchboard.
- Maintenance free potential.

V Type Double Rows Fans V型双排风机

Dry Cooler 干冷器



- 双排EC风机, 根据温度精确调节风机转速, 达到节能效果, 尤其在低温环境下控制出色
- 锯齿形叶片后缘降低噪音
- 盘管: 铜管+金色酚醛树脂铝翅片 (防腐性能更强)
- 镀锌板框架, 喷涂十年高耐候粉末
- IP55电控柜
- Double rows of variable-speed fans for accurate fan speed adjustment based on temperature to achieve efficient energy usage, especially with excellent control at low ambient temperatures.
- Serrated trailing edge like a owl for low noise.
- Coil: copper tube with gold phenolic resin coated aluminum fins for corrosion protection
- Galvanized sheet frame, sprayed with 10+ years weathering resistant powder.
- IP55 switchboard.

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Flat Type Dry Cooler 平板型干冷器



- 扁平化设计, 结构紧凑适用于空间受限场景
- 适合低散热量要求和低成本的应用场景
- 100%节水+可持续设备
- IP55电控柜
- Flat type structure is compact and suitable for space constrained scenarios.
- Especially suitable for the application scenarios with low heat dissipation and low-cost requirements.
- 100% water saving and sustainable design.
- IP55 switchboard.

Flat Type Stacking Configuration Dry Cooler 平板型双层结构干冷器



- 扁平化设计, 结构紧凑适用于空间受限场景
- 适合低散热量要求和低成本的应用场景
- 堆叠设计, 便于运输
- 镀锌板框架, 喷涂十年高耐候粉末
- Flat type structure is compact and suitable for space constrained scenarios.
- Especially suitable for the application scenarios with low heat dissipation and low-cost requirements.
- Stacking configuration for easy transpiration.
- Galvanized sheet frame, sprayed with 10+ years weathering resistant powder.

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Dry/Wet

Mode Auto Switch

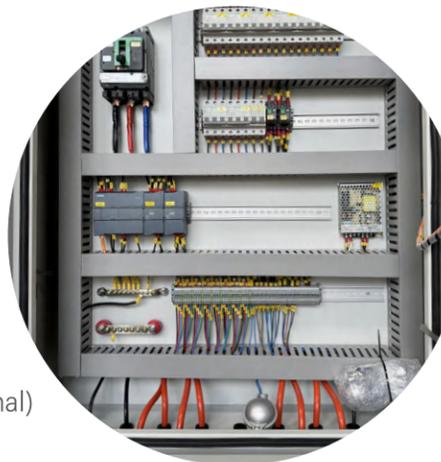
干/湿态自动切换

Adiabatic Cooler

绝热冷却器



法兰连接(标配)
Flange connection (standard)



智能控制系统(可选项)
Smart control system(optional)



悬浮盘管
Floating coil



高饱和效率绝热纸垫
High saturation efficiency adiabatic pads



内置水循环系统, 双水泵设计(可选项)
Integrated recirculation system, dual water pump design(optional)

- 配备绝热系统包括水箱、水泵、电磁阀和湿帘等
- 干/湿态智能自动切换
- 95%节水潜能
- 经过焓值计算, 绝热系统可以辅助实现管内液体冷却到环境干球温度以下
- Equipped with adiabatic system including water tank, water pump, solenoid valves, cooling pads, etc.
- Dry/ wet mode automatic switching.
- 95% water saving potential
- After enthalpy calculation, the adiabatic system can assist in cooling the fluid inside to below ambient dry bulb temperature.

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Refrigerant

Freon/ Ammonia
制冷剂: 氟/ 氨

Air Cooled Condenser

风冷冷凝器



- 适用多种制冷剂包括氟利昂和氨
- 进液口在上, 出液口在下
- 盘管: 铜管+黑色环氧涂层铝翅片 (防腐性能更强)
- 节水+可持续设备
- IP55电控柜

- Suitable for various refrigerants including Freon and Ammonia.
- Refrigerant inlet on the top while the outlet on the bottom
- Coil: copper tubes with black epoxy coated aluminum fins for corrosion protection.
- Water saving and sustainable design.
- IP55 switchboard.

CO₂

二氧化碳

Gas Cooler

气体冷却器



- 天然工质CO₂, 臭氧破坏潜能ODP=0, 全球变暖潜能GWP=1, 环保高效
- 在超临界工况下实现能效显著提升
- 优化气流回路和设计安全性
- 换热管和翅片多种材质可选

- Suitable for natural refrigerant CO₂ with ODP=0 and GWP=1 delivering sustainable high-performance operation
- Significant improvement in energy efficiency under supercritical conditions
- Aerodynamic flow path and safety-enhanced design
- Customizable tube/fin material options

Installations | Worldwide

全球案例

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加拿大数据中心
Data center in Canada



美国比特币矿场
Bitcoin mining in USA



南非工艺冷却
Process cooling in South Africa



印度化工厂
Chemical plant in India



印度数据中心
Data center in India



澳大利亚医院
Hospital in Australia



沙特绝热冷却
Adiabatic cooling in Saudi Arabia

阿联酋绝热冷却
Adiabatic cooling in UAE