



**HVAC CLEAN TECHNOLOGY
SYSTEM SOLUTION**





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ABOUT YATAI

Dezhou Yatai Group is a multi-field, large and comprehensive enterprise which focuses on manufacturing central air conditioners and undertaking air cleaning projects. It also invests in high education and real estates. Yatai Group was established in 1994, and has developed into a large-sized air conditioner manufacturer that is capable of designing, making and installing whole sets of equipment including chillers, terminal air conditioning equipment and undertaking integral air cleaning projects. Relative industries range from compound materials to ventilation products. Service objects expand from civilian and industry to military, nuclear power, metro industries and wind-power etc.

Brand -- Enterprise Symbol

Yatai trademark has long enjoyed a good reputation. In 2004, Yatai obtained the national production permit of refrigeration equipment in first group. After getting titles of Shandong Province Famous Brand and Shandong Province Famous Trademark, it won the title of Famous Trademark of China in 2006. In 2008, chillers were listed into the government purchase charts as energy saving products, and Yatai was named as one of national high-tech enterprises. In 2009, Yatai had the honor to win the First-class Qualification Certificate of Professional

Contract of Electromechanical Equipment Installation Work and the Second-class Qualification Certificate of Professional Contract of Air Cleaning Projects. In 2012, Yatai won the title of "China's Patent Shandong Superstar Enterprise". It got the Maintenance and Installation Credential of Refrigeration Air Conditioning Equipment of China in 2015 and Second-class Qualification Certificate of Professional Contract of Electronic and Intelligent Building in 2018. In 2021, Dezhou Yatai Group was awarded the national commodity after-sales service certificate and the First-class Qualification Certificate of Professional Contract of Fire Equipment Project. It for many times obtained "Luban Prize" and "Great Wall Cup Gold Medal project" for its construction projects and "Taishan Cup" for its project quality.

Strength---Strong Mainstay

Yatai has 3,000 employees, some hundreds of advanced CNC equipment, some dozens of production lines, and the national testing center of refrigeration equipment. Strict management systems including ISO9001, ISO14001 and ISO45001, the meticulous spirit of Yataian and the harmonious atmosphere of *Harmonization and Difference* are strong mainstay of manufacturing YATAI premium products and keeping YATAI



growing fairly well.

Innovation ----Guarantee for Development

With innovation in management, technology and products, Yatai keeps abreast of the times, and has developed the rooftop air conditioning unit, centrifugal water cooled cold water chillers, flooded type frequency conversion chillers, falling-film water source heat pumps, intelligent high precision constant temperature and humidity air conditioners, intelligent all DC frequency conversion low ambient temperature heat pump(cold water) unit, micro power intelligent energy recovery unit and other various energy-saving, environment friendly high-tech products. Comprehensive energy conservation is up to 30%. Yatai got many national patents and owned lots of independent intellectual property rights.

Service -- Eternal Pursuit

Based on our group, we have set up offices in many large and medium sized cities like Beijing, Tianjin, Xi'an, Hohhot, Zhengzhou, Taiyuan, Shenyang, Qingdao, Hefei, Chengdu, Lanzhou, Changchun, Xuzhou, Harbin, Yinchuan, Urumchi, Xiong' an New Area, and Wuhan. Service network radiates throughout our country and goes to abroad, and a close relationship between customers and Yatai has been established by the

green service channel.

Success -- Higher Starting Point

Yatai central air conditioning projects have spotted all over China and been exported to dozens of countries and regions, like the new site of CCTV, Beijing Daxing International Airport, Jiuquan Satellite Launch Center, Phoenix International Media Center, State Administration for Market Regulation, Beijing Xiaotangshan Hospital, Wuhan Huoshenshan Hospital, Wuhan Leishenshan Hospital, General Hospital of the People's Liberation Army, over 20 of Beijing Olympic Stadiums, Angren Rubber Factory in Uzbekistan and Vytebsk Hydropower Station in Belarus.

Future -- Promising Tomorrow

We can see the healthy and steady growth of Yatai central air conditioners, flourishing of Shandong Huayu University of Technology, blooming of the joint venture---Afpro Eaf Filtering Equipment Co., Ltd. , fast expansion of Shandong Chuangyuan Air Conditioning Equipment Co., Ltd. and Shandong Yi' an Yatai Biotechnology Co., Ltd. set up in early 2022 develops gradually. A brilliant blueprint is laid out in front of Yataian: "No. 1 group in China" is giving us a wave. Marching towards the world is just round the corner.

INTELLIGENT MANUFACTURING

Yatai Group headquarters, which integrates scientific research, production and sales, has 700,000 square meters of production base, 5 fully automatic central air conditioning production lines. Its annual sales capacity is 3.5 billion yuan, realizing profit and tax of 330 million yuan.





TESTING CENTER

Products are tested one by one at the test center to guarantee all parameters meet the standard requirements



SYSTEMATIC SOLUTION

YATAI-YOUR CUSTOMIZATION EXPERT



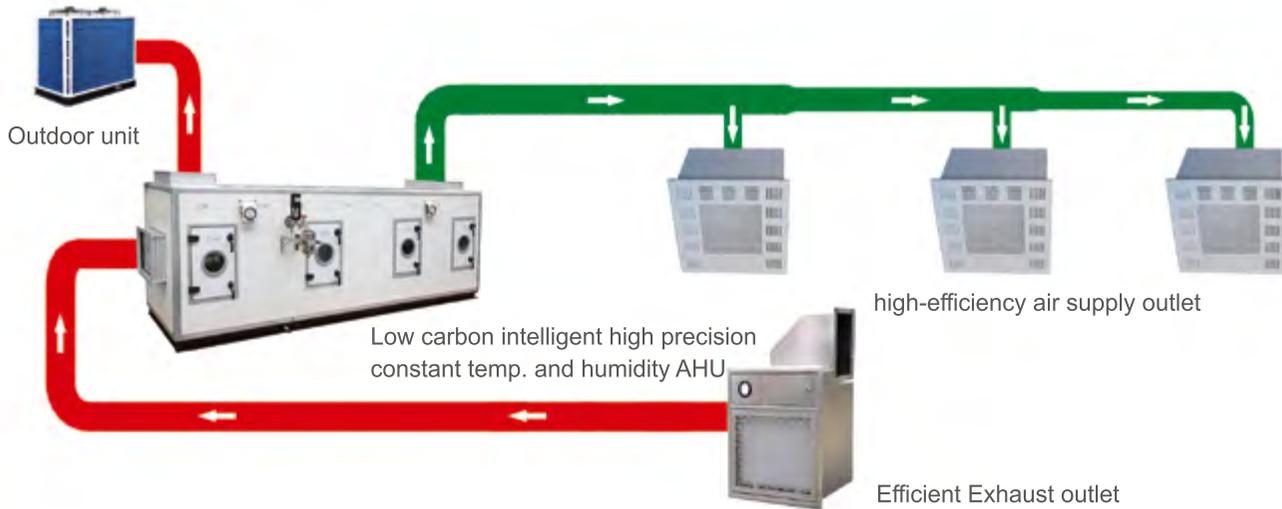
Yatai spares no effort to tailor the corresponding systematic solutions to meet your needs. Clean air and orderly circulated fresh air provide the ideal space for your life. Our products protect you against pollution and also show our deep concern. Yatai will give you a fresher natural experience.



DIRECT EVAPORATION CHILLERS

Low carbon intelligent high precision constant temp.
and humidity AHU





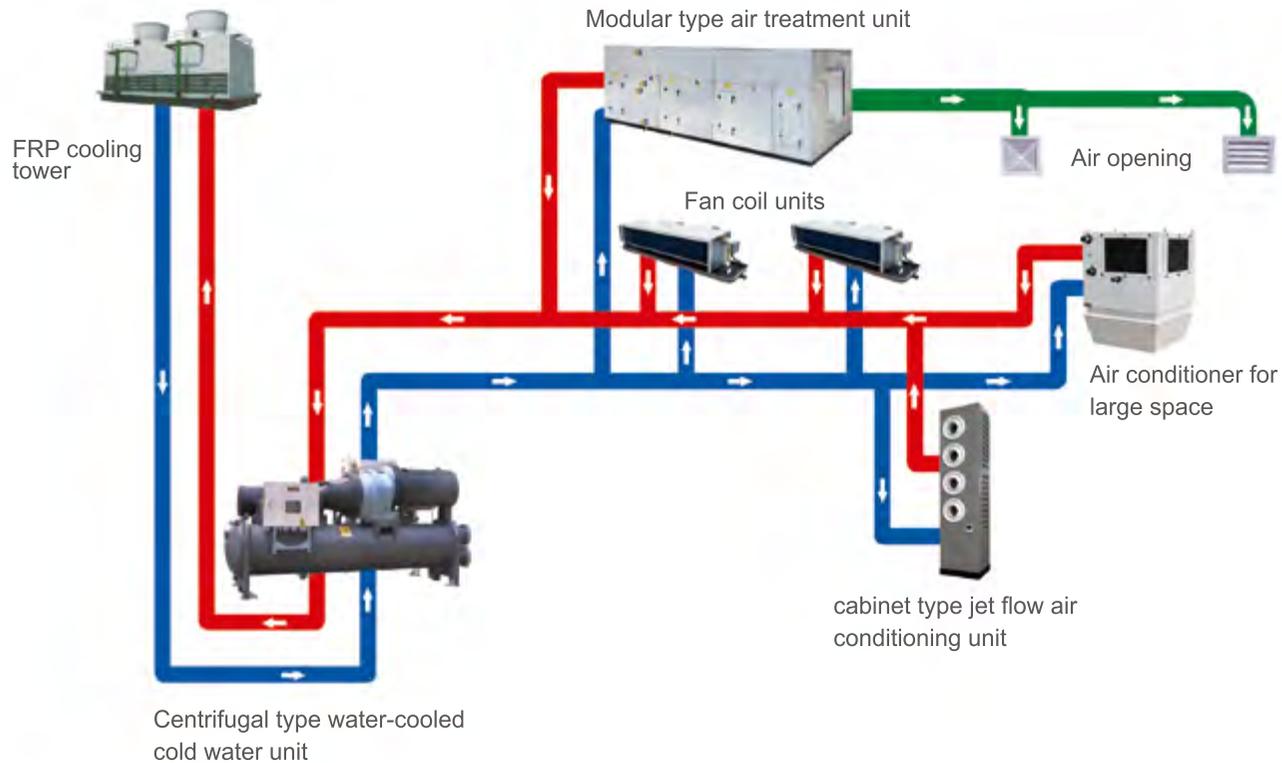
Constant temperature and humidity system is mainly used in workshops, precision machine manufacturing centers, power equipment centers, medical and health places, all kinds of labs, computer rooms and places with high temperature and humidity requirements. This intelligent equipment keeps the changing of the temperature and humidity in the room within a very small range.

Usually the industrial constant temperature and humidity air conditioning system includes three systems: constant temperature and humidity air conditioning compressed refrigerant circulation system, constant temperature and humidity air conditioning air circulation system, air conditioning electrical automatic control system.

WATER-COOLED COLD(HOT) WATER UNIT

Centrifugal type water-cooled cold water unit



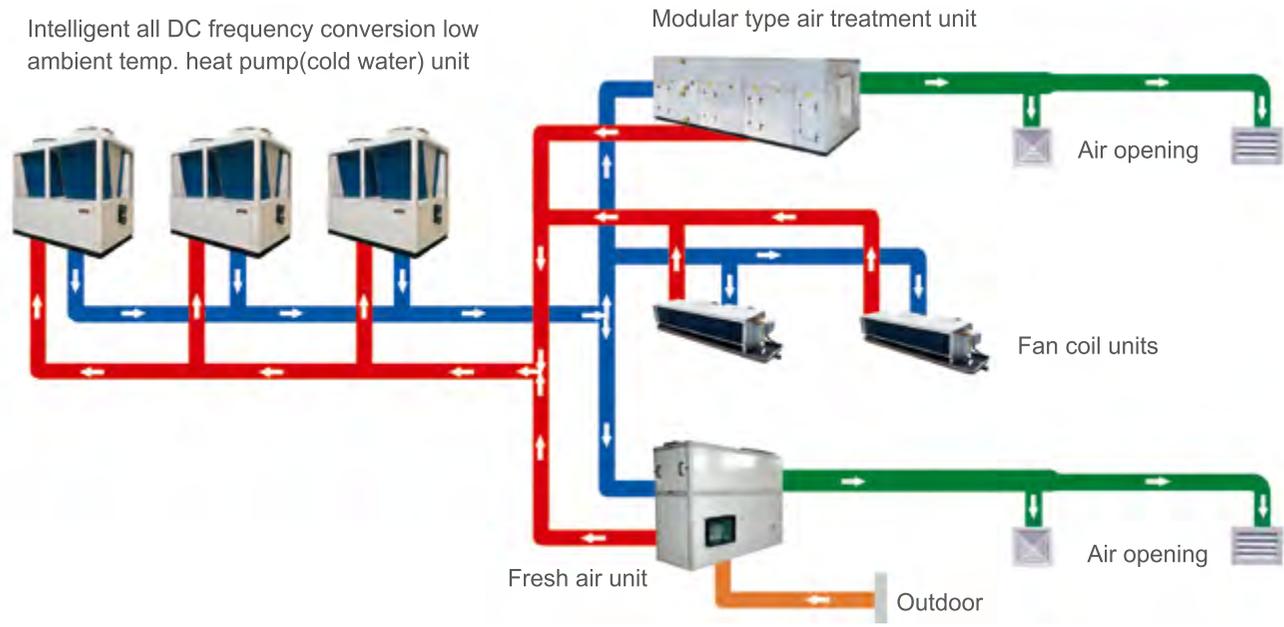


Water-cooled central air conditioning refers to cooling the cooling water through the cooling tower and cooling water pump, so as to cool the refrigerant in the condenser of the water-cooled unit. The temperature reduced refrigerant flows into the evaporator and cools down its recycled chilled water. Temperature reduced chilled water is transmitted into the indoor terminal equipment (fan coil unit). Air regulation is realized through the heat exchange between indoor terminal equipment (fan coil unit) and indoor air.

AIR SOURCE COLD(HOT) WATER UNIT

Intelligent all DC frequency conversion low ambient temp. heat pump(cold water) unit



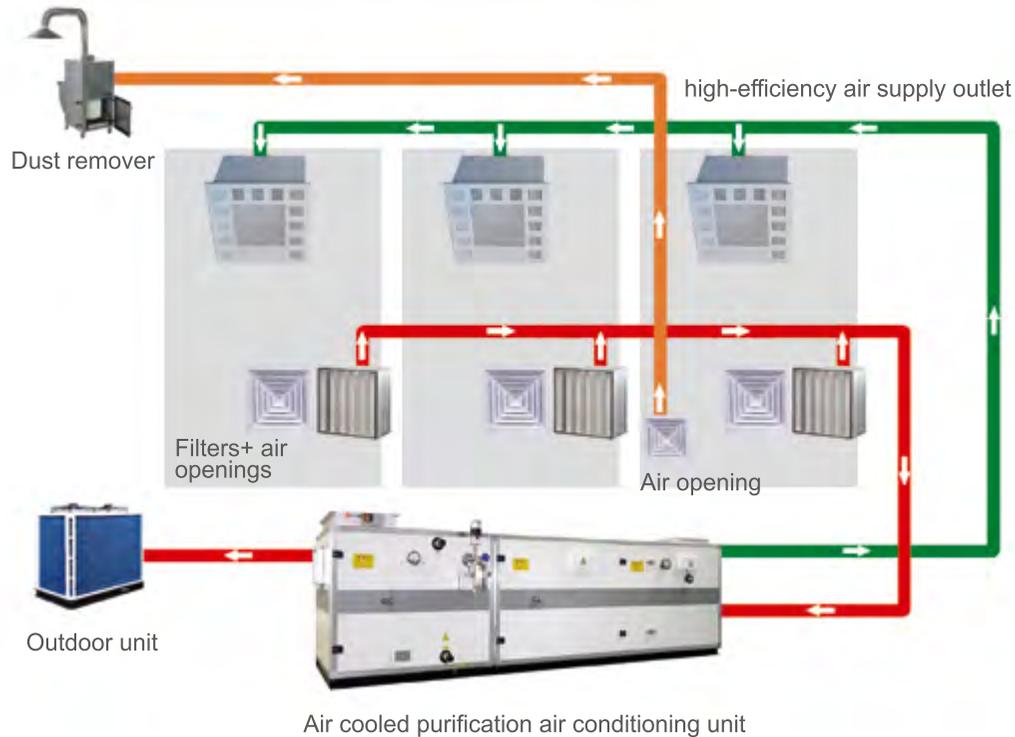


Air source central air conditioning system is mainly composed of air cooling unit, indoor terminal equipment (fan coil), expansion water tank, circulating water pump and so on. Air is used as its cooling and heating source, and water the medium for cooling and heating. Through the cold and heat exchange between the pipeline system and indoor unit, the purpose of cooling or heating is achieved.

PURIFICATION CENTRAL AIR CONDITIONING

Air cooled purification air conditioning unit





The air conditioning unit in the clean area adopts a one-time return air system and takes fresh air by itself to meet the needs of personnel and indoor positive pressure. The unit can have corresponding functional segments according to the engineering requirements, such as surface cooling and heating, humidification and dehumidification, filtration, noise reduction, etc.

Air flow organization mode of the clean area is designed to supply air from the top and return (exhaust) air from the bottom. Highly efficient air outlet is installed on the ceiling and air return (exhaust) vent on the lower side wall. Distance between the bottom of the air return (exhaust) vent and the ground is not less than 10cm. Air return and exhaust vents are generally single-layer louvered vents with damping nets, and highly efficient air exhaust vents can be used when biosafety requirements are involved.

PURIFICATION CENTRAL AIR CONDITIONING

Auxiliary products





Medical automatic air-tight sliding door



Medical steel ward door



Insulated glass clean window



Air supply diffuser



Insulation cabinet Cold reserving cabinet



Medicine cabinet instrument cabinet anesthetic cabinet



Assembly type electrolytic steel plate



Hanging plate electrolytic steel plate

PURIFICATION CENTRAL AIR CONDITIONING

Auxiliary products



Fan filter unit (FFU)



ZK-JP purification air exhaust box



Modular type electronic dust removal air purification sterilizer



Clean workbench



High-efficiency air supply outlet



Deep pleated HEPA filter



Pass window

Efficient Exhaust outlet



1. Air volume:500m³/h,1000m³/h, 1500m³/h, 2000m³/h
2. The filtration efficiency reaches 99.99%
3. Case of box is made of stainless steel or spray-painted carbon steel
4. PAO scanning device can be equipped
5. Disinfection interface and detection cover can be equipped

IAQ series heat recovery clean fresh air unit

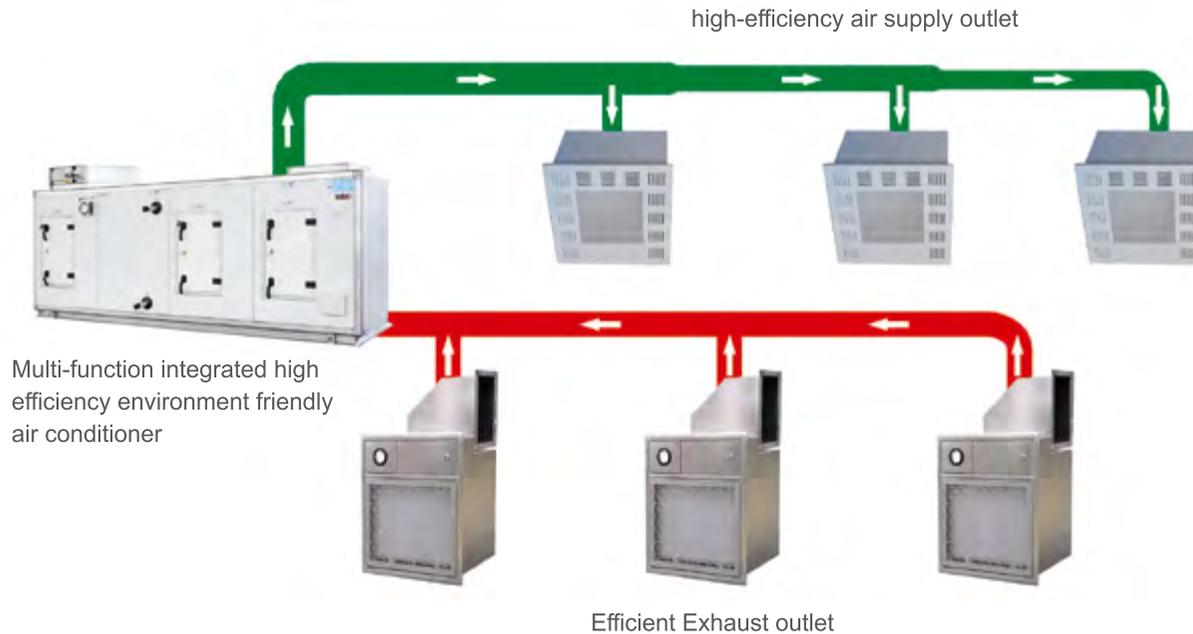


1. Dual purification function, built-in multi-stage filtration, filtration efficiency can reach more than 99%
2. Significant energy saving, the efficiency of the built-in efficient heat exchange core up to 72%
3. Intelligent control, the unit can timely adjust indoor air condition to keep air fresh

TERMINAL - MODULAR TYPE AIR TREATMENT UNIT

Multi-function integrated high efficiency environment friendly air conditioner





The modular air handling unit is the most important terminal equipment of the central air conditioning system, which forms a large central air conditioning system with chillers such as module unit, screw unit, and centrifuge. It is widely used in industries such as shopping malls, stadiums, subways, textiles, machinery manufacturing, precision electronics, fine chemicals, pharmaceuticals, and hospitals.

TERMINAL - FAN COIL UNITS

purification and sterilization fan coil unit



- 1.This kind of fan coil unit has sterilization and air filtration functions. The module adopts high pressure strong electrostatic field, which can release a large number of negative oxygen ions, which have many health effects on human body
- 2.HEL F module is an electret. The strong electrostatic field only polarizes the electret, but does not ionize the air. So it does not produce ozone, which solves the problem that ozone generated by electrostatic dust removal makes indoor ozone exceed the standard



horizontal visible type fan coil unit



vertical visible type fan coil unit



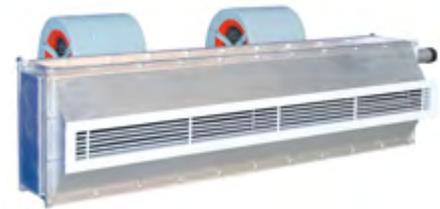
horizontal concealed type fan coil unit



vertical concealed type fan coil unit



ceiling-mounted fan coil unit



hot air curtain

TERMINAL - OTHER SERIES OF END PRODUCTS



Fire damper



Smoke
exhaust fire
damper



Airtight valve



Remote control
smoke exhaust
damper



Gear type
regulation valve



Circular fire
damper



Plate type
smoke exhaust
vent



Air opening



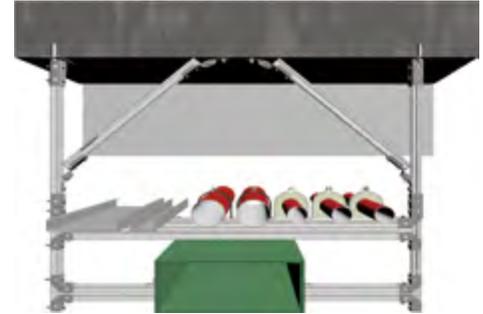
Air opening



FRP water tanks



Stainless steel tanks



Assembly type (load-bearing, anti-seismic) supports



refractory duct



AMR refractory board

COMPOSITE MATERIAL SERIES PRODUCTS

Green energy Zero energy consumption
Zero emissions



FRP mortar winding pipe



Horizontal winding FRP storage tank



Vertical winding FRP storage tank





Large-sized windpower cabin



Square countercurrent FRP cooling tower



S shaped closed type cooling tower

MECHANICAL VENTILATION

Low noise airfoil type axial flow fan



Return air filter



Spray axial flow fan

Jet fan



Box type centrifugal fan



Fire-fighting exhaust fan



ABS exhaust fan



Rooftop fan

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