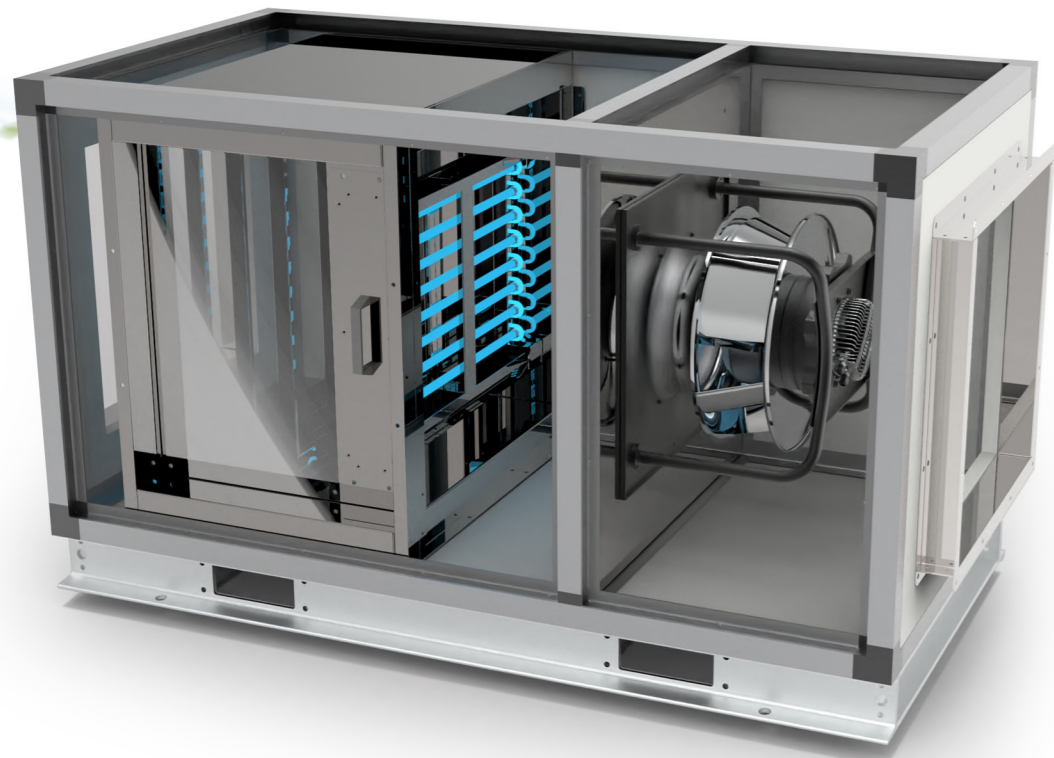


FAN FILTER UNIT

FFU 净化送 / 排风箱

- 高性能铝合金框架 + 双板结构
- 低噪高效风机
- 多种过滤形式和等级可选
- 可根据客户需求量身定制

- High performance aluminum profile & double skin panel structure
- Various filter type & grade including UV sterilizers for option
- Low noise high efficiency fan selection
- Customization is available



ECOAIR
ENVIRONMENTAL TECHNOLOGY

PROJECT CASE

净化案例



ECOAIR is a HVAC manufacturer with more than 20 years of technology precipitation. We are experienced in product design and precise customization, devote for the most suitable products instead of just good products. So far, ECOAIR has served hundreds of projects at home and abroad, and won wide recognition from customers and industry authorities.

宁波亿科艾尔环境科技有限公司是一家拥有 20 余年技术沉淀的中央空调生产企业。我们关注室内空气品质，始终秉承“以客户需求为导向”的理念，致力于向中国及国际市场提供专业的系统解决方案。亿科艾尔产品已服务于全球数百个项目，在医用净化、公共服务、商业综合体等领域都取得了瞩目的成绩。

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AIR CONDITIONING UNIT FOR CLEAN OPERATING ROOM



亿科艾尔医用洁净空调

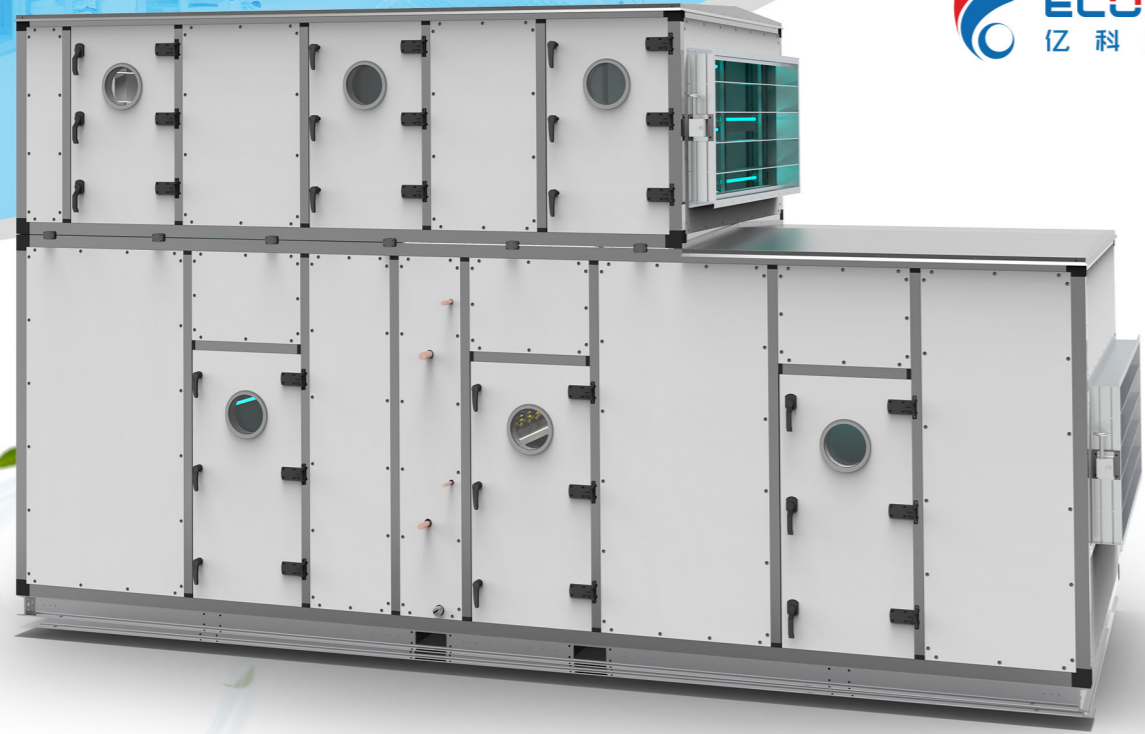


ECOAIR
ENVIRONMENTAL TECHNOLOGY

www.ecoairnb.com

OPERATING ROOM AIR CONDITIONING SYSTEM

亿科艾尔医用洁净空调

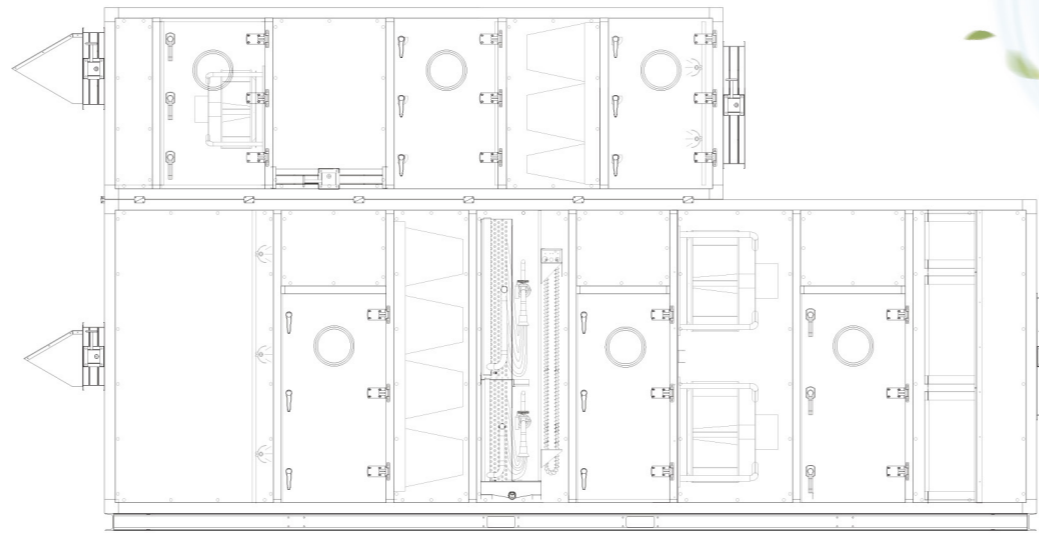


Ecoair air conditioning unit for clean operating room

- Static pressure: 150-2000Pa
- Air volume range: 1000-200000m³/h
- Personalized customization & flexible combination
- Applicable for a variety of on-site power condition such as hot and cold sources
- Optional PLC intelligent control system
- Widely applied to the biological purification projects such as the clean operating room and the relevant supporting areas, the pharmaceutical workshop and laboratories.

- 静压：150~2000Pa
- 风量范围：1000~200000m³/h
- 个性化定制，柔性组合
- 适于各种冷热源等现场条件
- 可选配 PLC 智能控制系统
- 广泛应用于洁净手术室和为其服务的辅助区域、制药车间、生物实验室等净化场所。

www.ecoairnb.com



TECHNICAL FEATURES & ADVANTAGES

技术特点和优势

Technical features

技术特点

- Hospital air conditioning system is to purify the indoor air, maintain a reasonable pressure difference among various rooms.
- 医用净化空调系统主要用于净化医院室内空气，维持各个不同房间的合理压差。
- It reduce the cross infection risk within the hospital and creates appropriate medical treatment and rehabilitation environment for the patients.
- 降低院内的交叉感染风险，为不同的病患者提供适宜的就医和康复环境。

Orientation/comfortable ventilation

- Ecoair air conditioning unit controls the air flow direction and ensure air flows from the clean area to the sub-clean area.
- We also pay attention to the ventilation comfort and control the sterilization & deodorization within the patients care area effectively.

定向 / 舒适通风

- 定向控制气流，通风系统按空气从洁净区流向次洁净区设计。
- 通风系统也会考虑舒适性，合理设计可以让患者护理区域的除菌除臭得到有效控制。

Temperature and humidity control

- Once the air supply volume is reduced when some areas are not put into service, the calculation shall be conducted to determine the necessary min airqty so as to ensure proper temperature and humidity.
- Air flow from some special wards may generate pollutions and odors, shall not circulate and flow to other area and must be directly discharged to the outdoor.

温湿度控制

- 当有区域未使用而减少了送风量时，则需核算出最少送风量，用于保证温差和维持适当的温湿度。
- 由于会产生污染和臭味，那些特殊病房（如肺部感染和烧伤特护病房）的空气是不能循环进入其他区域的，必须直接排向室外。

Flexible adjustment

- As the temperature necessary for some surgeons and surgeries may exceed the set range, the design conditions for the operating room shall be adjusted according to the requirements of all users such as surgeons, anesthetists and nurses.
- Air conditioning system should be adjustable accordingly.

柔性调整

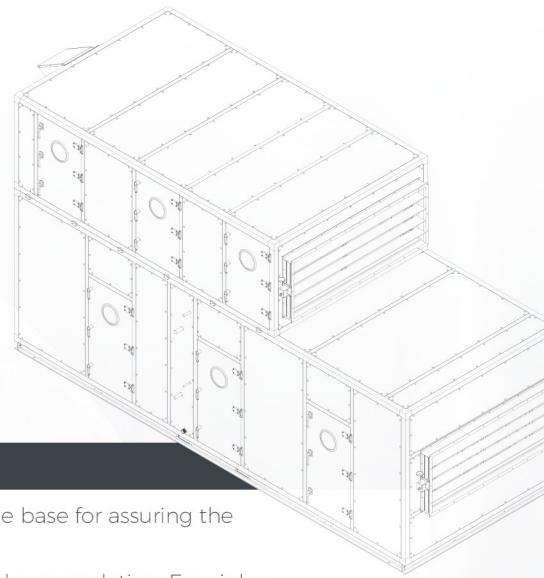
- 由于一些外科医生外科手术对温度的要求可能会超出设定范围，手术室的设计条件应根据外科医生、麻醉师、护士等使用者的要求做相应调整。
- 空调系统也必须具备做相应调整的能力。

Technical advantages

技术优势

- Specially designed for clean operating room
- 专用空调机组
- Modular design
- 模数化设计
- Remote monitoring
- 远程监控
- Constant temperature and humidity control
- 恒温恒湿控制

OPERATING ROOM AIR CONDITIONING SYSTEM



1 Reliability assurance

可靠性保证

- Excellent material and structure is the base for assuring the equipment reliability.
- After years of industry experience and accumulation, Ecoair has established a reliable selection scheme and a stable material supply chain.

- 优良的材质和结构是设备可靠性的基础。
- 经过多年的行业历练和沉淀，亿科艾尔已建立起一套可靠的选型配置方案。

2 Excellent thermal insulation property

密封保温性能

- Unique high strength cold bridge prevention structure is applied to solve moisture condensation on framework.
- Double skin panel with Polyurethane insulation and special seal makes the overall performance higher than normal air conditioning standard.

- 机组采用独有防冷桥结构，有效解决存在于框架处的冷桥问题，从而有效杜绝箱体凝露。
- 双层发泡板设计，特别密封措施，机组密封性远高于一般空调机组标准。

3 Noise reduction and sound insulation measures

降噪隔声措施

- High efficiency backward curved centrifugal fan with low noise and strong anti-overload capacity.
- Appropriate selection ensures efficient operation and minimize noise.

- 高效低噪声抗过载后倾离心风机。
- 合理选型，确保风机工作点处于高效低噪声区。

4 Efficient dust removal and sterilization

高效除尘杀菌

- Ecoair provides primary/secondary/HEPA (up to H14) filters for choice.
- Moreover, active carbon filters and UV sterilizers etc are further offered to ensure fresh and healthy indoor air.

- 初中高效三级过滤可选，最高过滤等级可达 H14。
- 同时提供活性炭过滤，紫外杀菌等，高效除尘杀菌，确保室内空气新鲜健康。

Ecoair
亿科艾尔