网站二维码　微信公众号

青岛艾迪斯纤维布风管有限公司

Qingdao Aedis Fiber Duct Co.,LTD

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Aedis

追求绿色科技　缔造健康生活

青岛艾迪斯纤维布风管有限公司

Qingdao Aedis Fiber Duct Co.,LTD

SOX 4.0

BIM(风管模块化)

CAFL(气流组织设计)

CFD(气流体模拟技术)

AFD(柔性风管设计技术)

追求绿色科技 缔造健康生活

Pursuing Green Technology Creating a Healthy Life

创新才能不断突破

不断追求技术创新，突破自我界限。
提升产品性能 为客户带来更环保 更节能 更高效的解决方案。
推动绿色科技的发展。

努力成就卓越品质

严谨的品质意识 ，不懈的努力与追求
在您看得见和看不见的地方，我们都在用心。
全力为您缔造更安全 更健康的绿色的生活空间。

Innovation Can Break Through Continuously

Continuous pursuit of technological innovation,
break through self-boundaries.
Improve product performance to bring customers more
environmentally friendly, more energy-saving and more
efficient solutions.
Promote the development of green science and technology.

Strive To Achieve Excellent Quality

Strict quality consciousness, unremitting efforts and pursuit
Where you can see and can't see, we are all concerned.
Make every effort to create a safer and healthier green living
space for you.

核心价值观

Aedis

Aedis Fabric Duct

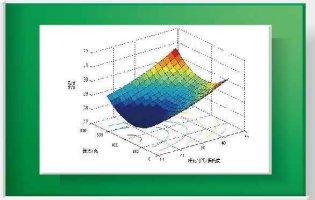
- CORE VALUES — 核心价值观
  艾迪斯纤维布风管核心价值观
- Customer Oriented — 客户为本
  SATISFIED/SUCCESS
  致力于客户的满意与成功
- Enhance employee happiness — 员工至上
  不断追求员工物质与精神的幸福
- INNOVATE — 创业创新
  Pursuing speed and efficiency, focusing on customers
  Innovation that has an impact on the company
  追求速度和效率，专注于对客户和公司有影响的创新
- SINCERITY — 诚信正直
  Building trust and responsible interpersonal relationships
  建立信任与负责任的人际关系

10倍
Ten Times

安装周期短
Short Installation Cycle

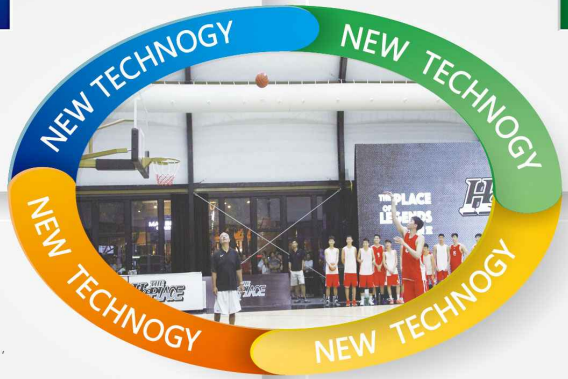
布风管安装速度是铁皮风管的10倍
Fabric duct installation speed is 10 times faster than metal duct.

20%
Twenty Percent



阻燃技术
Flame Retardant Technology

面料采用阻燃纱纤经过特殊织布工艺，阻燃性提高20%左右
Fabrics are made of flame-retardant yarn fibers through special weaving Process, flame retardancy increased by about 20%.



耗能低
Low Energy Consumption

环境温度每降1°空调系统节能8-10%左右。
布风管系统设计采用逆向思维，迭代计算技术，计算机模拟技术，使气流组织更有效分布。

8-10%
8-10 Percent

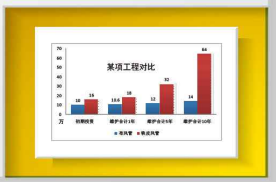
The energy saving of air conditioning system is about 8-10% when the ambient temperature drops by 1 degree.
The design of air distribution pipe system adopts reverse thinking and iterative computing technology.
Computer simulation technology makes air distribution more effective.

总投资低
Total Investment is Low.

每平米单价布风管只是铁皮风管的60%
维护成本更低；维护成本只是铁皮风管的10%左右。
布风管系统=铁皮风管+保温+散流器+.....

60%
Sixty Percent

The unit price distribution duct per square meter is only 60% of the iron duct.
Maintenance costs are lower: Maintenance costs are only iron ducts About 10%.
Distribution duct system = iron duct + insulation + diffuser +.....



Aedis Fabric Duct

AEDIS CORE TECHNOLOGY

CFD 领先的流体模拟技术

Computational Fluid Dynamics

运用CFD软件 对流场进行分析、计算、预测，通过分析显示发生在流场中的现象。在比较短的时间内预测性能，并通过改变各种参数达到最佳的设计效果。

CFD software is used to analyze, calculate and forecast the flow field, and display the phenomena occuring in the flow field through analysis. Predict the performance in a relatively short time and achieve the best design effect by changing various parameters.

AI 永久阻燃技术

Permanent Flame Retardant Technology

采用新一代纤维阻燃技术，使无机高分子阻燃剂在粘胶纤维有机大分子中以纳米状态或以互穿网络状态存在，制成永久阻燃纤维，进而纺织而成永久阻燃面料，无论水洗多少次，其阻燃功效不会改变。

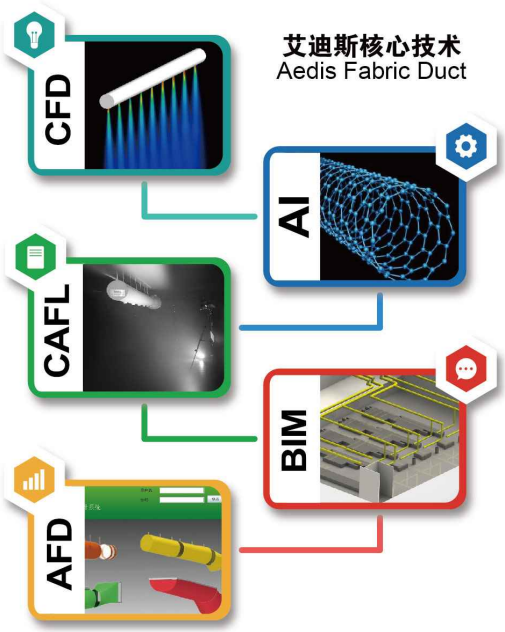
A new generation of fiber flame retardant technology is used to make inorganic polymer flame retardants exist in viscose organic macrommolecule by means of nanometer or interpenetrating network state. By this technology, permanent flame retardant fabric is made and then woven to cloth material. No matter how many times they are washed, the flame retardant feature will not be changed.

CAFL 最专业的气流组织实验室

Control Air Flow Lab

空气气流组织试验室，是为研究空气在风管内部流动和空气通过风管射入工作区域到排出空气的整个流程及其规律及其动力参数，从而为布风管系统的设计提供重要的参数。

The control air flow lab is designed to study the inernal air flow in the ducts and the whole process from air injecting into the working area through duct to the air exhaust, and also study its rules and dynamic parameters. It provides important parameters for the design of air distribution system.



艾迪斯核心技术
Aedis Fabric Duct

BIM 模块化建模拼接风管

Building Information Modeling

建筑信息模型是以建筑工程项目的各项相关信息数据作为模型的基础，进行建筑模型的建立，通过数字信息仿真模拟建筑物所具有的真实信息。它具有信息完备性、信息关联性、信息一致性、可视化、协调性、模拟性、优化性和可出图性八大特点。艾迪斯BIM 团队和大型项目进行暖通对接，保证设计的准确性和快速性

Building information model is based on the relevant information data of construction projects. On the basis of this, building model is established, and it simulates the real information of building by digital information. It has information completeness, information relevance, information consistency, visualization, coordination, simulation, optimization and graphical characteristics. Aedis BIM team conducts HVAC docking for big projects to ensure the accuracy and rapidity of the design.

CORE TECHNOLOGY
FROM AEDIS

AFD 最先进的软件设计系统

Aedis Fabric Duct Design

自主研发的针对柔性纤维布风管的设计、安装、生产、质量控制、客户跟踪等方面的软件设计系统采用逆向思维从客户需求出发（工作区域的温度、湿度、末端速度的要求）采用CFD迭代科学计算方法使艾迪斯布风管的设计、生产更加精准、快捷使风机的风量运用效率达到95%以上。

For the fabric duct design, production, installation, quality control and customer tracking, a software design system was independently developed. It uses reverse thinking from customer needs (requirements for temperature, huimidity and terminal velocity in the working area) and uses CFD iteration science calculation method to make Aedis duct design and production more precise and faster, and makes the use efficiency of fan air volume over 95%.

Aedis Fabric Duct

Aedis 艾迪斯

AFD

AEDIS FABRIC DUCT DESIGN
布风管智能设计系统

• 提高效率，就是为客户节省时间 •
• To improve efficiency is to save time for customers •

AFD 智能设计系统
AEDIS FABRIC DUCT DESIGN

- 采用迭代计算方法
  Iterative calculation method
- 运用逆向思维设计思路，从客户需求出发
  Using reverse thinking design thinking, starting from customer needs
- 运用流体计算方程，回归流体力学原理
  Regression of Fluid Dynamics Principle by Using Fluid Computing Equation
- 采用JAVA计算机语言，可视化界面
  Using JAVA Computer Language to Visualize Interface
- 拥有工程预算、系统设计、生产管理、售后管理四大功能
  It has four functions: project budget, system design, production management and after-sales management.

Aedis 艾迪斯

气流组织实验室 CAFL
AEDIS AFD CONTROL AIE FLOW LAB

• 合理利用资源，就是节能减耗 •
• Rational use of energy means reducing energy consumption •

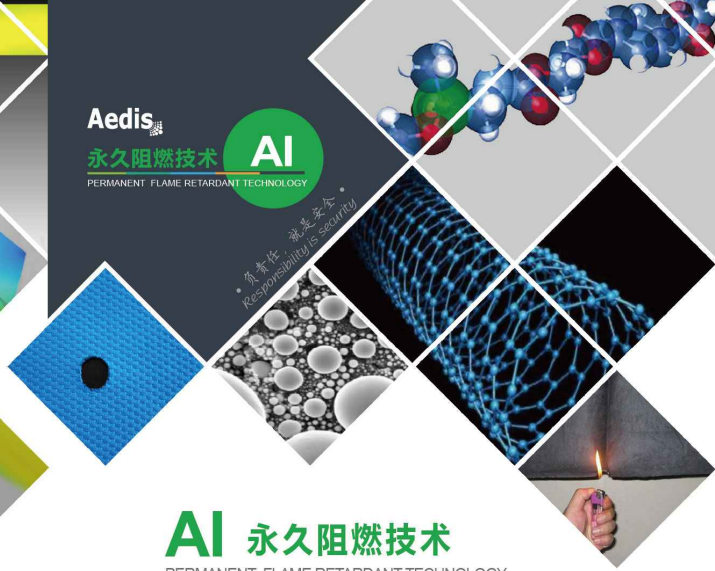
CAFL 气流组织实验室
AEDIS CAFL CONTROL AIR FLOW LAB

- 烟雾演示气流组织走向设备
  强大的流体动力学理论支持
  先进的数据采集仪器
  试验数据后处理能力
- Smoke Demonstration Equipment for Air Distribution
  Strong theoretical support of hydrodynamics
  Advanced Data Acquisition Instruments
  Postprocessing Ability of Test Data

气流组织优化体系
AIR DISTRIBUTION OPTIMIZATION SYSTEM

空气流体控制试验室，是为研究气体在布风管内部的流动和气体通过布风管射流进入空间到排出大气整个流程的规律以及动力参数的计算方法，从而为布风管系统的设计提供重要的数据

Air flow control lab is designed to study the air flow in fabric duct, and to study the rule of whole process from air injecting into the space through fabric duct to air exhausting to open air, and to study calculation method of dynamic parameters. It will provide important data for design of fabric duct system.



CFD 流体模拟技术

COMPUTATIONAL FLUID DYNAMICS

- 拥有专业CFD团队
  Have a professional CFD team
- 数值模拟：采用CFX、FLUENT、ICEM-CFD进行几何建模和计算
  Numerical simulation: using CFX, FLUENT, ICEM-CFD for geometric modeling and calculation
- 采用高性能计算机或云计算平台对整个空间进行气流模拟
  Using high performance computer or cloud computing platform to simulate airflow in the whole space
- 深度研究热源位置、回风口位置、建筑结构对气流组织的影响
  In-depth study on the influence of heat source location, return air outlet location and building structure on air distribution
- 深度研究布风管关键零部件的设计对气流输送的影响
  In-depth study on the influence of the design of key components of air distribution pipe on airflow conveyance

AI 永久阻燃技术

PERMANENT FLAME RETARDANT TECHNOLOGY

纤维的阻燃处理是对一些本身是可燃的原丝(如涤纶、棉纶、腈纶)加入某种阻燃剂使其抑制燃烧过程中的游离基，改变纤维的热分解过程，促进脱水炭化有些则是使阻燃剂分解释放出不燃气体覆盖在纤维表面，起隔绝空气作用。

The flame retardant treatment of fibers is to add some flame retardant to some flammable raw fibers (such as polyester, cotton, acrylic) to inhibit the free radicals in the combustion process, change the thermal decomposition process of the fibers, and promote dehydration and carbonization. Another method is, the flame retardant is decomposed into a non-combustible gas to cover the surface of the fiber, thereby functioning to block the air.

Aedis Fabric Duct

完美的走线
Perfect routing

先进的缝纫设备
Advanced sewing equipment

采用顶级缝纫针
Use top sewing needle

采用顶级缝纫线
Using top-level sewing thread

极其严格的加工工艺
EXTREMELY STRICT PROCESSING TECHNOLOGY

完善的质量管理体系和标准体系
PERFECT QUALITY MANAGEMENT SYSTEM AND STANDARD SYSTEM

原材料保证
国内和国际专业机构NFT,SGS检测
承诺布风管材料采用永久阻燃纱线织物面料
经过上万次的拉链拉开实验，上万次拆挂实验
艾迪斯布风管质量标准
Q/AEDIS001-2013

Raw Material Assurance
National and International Professional Institutions NFT, SGS Testing Commitment to use permanent flame retardant yarn fabric for air duct material After tens of thousands of zipper opening experiments, tens of thousands of detachment experiments Edisburgh Air Pipe Quality Standard Q/AEDIS001-2013

SGS NFT

设计保证
AFD 布风管智能设计系统
CAFL 强大的风管技术数据处理系统
CFD 专业的流体模拟系统

Design Assurance
AFD Intelligent Design System of Air Distribution Pipe
CAFL Powerful Data Processing System for Ventilation Pipe Technology
CFD Professional fluid simulation system

3F Design System

加工保证
大型激光自动生产线,保证风管下料尺寸偏差+0.1mm
专业技术缝纫技师,卓越的品质从每一针每一线开始
创新工艺 绿色生产

Processing Guarantee
Large Laser Automatic Production Line, Guarantee the Size Deviation of Air Pipe Blanking + 0.1mm Professional sewing technicians. Excellent quality begins with each stitch and thread. Green Production with Innovative Technology

服务保证
完善的售后服务体系
随时随地保证24小时售后服务，免除您的后顾之忧

Service Guarantee
Perfect after-sales service system
Guarantee 24-hour after-sales service at any time and anywhere to relieve your worries

Aedis Fabric Duct

艾迪斯产品系列 PRODUCT SERIES

Aedis-M系列

工业用纤维织物风管系统

M系列织物风管采用微渗透核心技术，通过AFD计算纤维材料的渗透率并精确设计开孔来跟空调系统相结合地进行出风。根据风管层高和末端风速要求，根据流体方程迭代计算思路设计。是行业设计先进的织物系统产品，适合大部分的不吊顶的领域。

SFsox系列

教室新风纤维织物风管系统

根据空气动力学采用射流+置换气流组织形式根据教室新风特征，艾迪斯开发的，专为新风设备匹配的纤维织物风管系统，具有安全，环保，无噪音，安装快捷方便，日后维护方便，美观的柔性纤维风管系统

Lsox系列

照明纤维织物风管系统

根据空气动力学采用置换气流组织形式带有照明功能的纤维织物风管系统，对于美观度要求极高的场所采用这种产品，不仅可以送风，而且呈现出美丽的灯带，多数采用渗透出风方式。

Lsox SERIES

Air Duct System With Lighting Fabric

According to aerodynamics, a fibre fabric air duct system with lighting function is adopted in the form of displacement air distribution.
This product can not only supply air, but also present beautiful lights in places with high aesthetic requirements. Most of them adopt the way of permeable outflow.

Aedis-M SERIES

Industrial Use Fabric Ducts

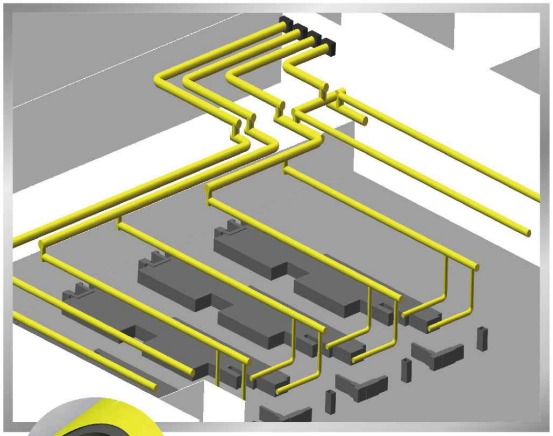
M series fabrics ducts adopt micro-permeable core technology, calculate the permeability of fiber material by AFD system, and design the hole opening accurately to exhaust the air by integrating with air conditioning system. Accoring to the duct height and duct end velocity requirement, it is designed based on fluid equation iterative calculation. It is the product of advanced fabric system in industry and suitable for most areas without ceiling.

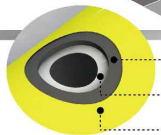
SFsox SERIES

Fabric Ducts for Classroom Fresh Air System

According to the characteristics of fresh air in classroom, Aedis specially developed the fabric duct to match with fresh air system in forms of jet+ replacement air flow. It has advantages as safe, environmentally friendly, no noise and fast installation and easy maintenance.

Aedis Fabric Duct





保温绝热层--增加保温效果
Thermal Insulation Layer--Increasing Thermal Insulation Effect

内层功能层--可以抗菌，防静电处理
Inner Functional Layer - Antibacterial, Antistatic Treatment

保温风管外层--主要是保护层高防火级别，高强度
Insulation duct outer layer - mainly the protective layer of high fire prevention level, high strength

HPsox系列

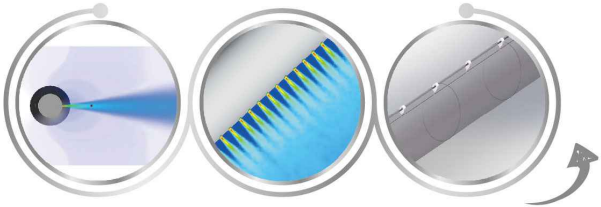
带有保温功能的纤维织物风管系统

保温风管是运用保温PE冷黏技术，将绝热材料和纤维织物完美融合在一起，生产出来的纤维织物保温系统，用于空调通风系统各领域传输管道，并通过连接传统散流器、风口，织物风管出风等。适合暗装和传输距离较远的风管。

HPsox SERIES

Fabric Ducts With Thermal Insulation Function

Thermal insulation fabric duct is made by blending the insulating material and fabric material perfectly together, using thermal insulation PE cold sticking technology. This kind of fabric ducts can be used in every field of HVAC ducting. It is suitable for hidden installation and long distance transmission.



ASsox系列

带有支撑的均速纤维织物风管系统

ASsox带有支撑的均速纤维织物风管系统，是支撑风管升级版，拥有专利设计技术，采用特殊的阻燃材料制成的均速纤维织物支撑风管系统。形状如同梭型，无极渐变，它在不通风状态下不仅保持完美圆管形状，出风更加均匀，呈现出最美观的纤维织物风管系统。适合高档的公共区域。

ASsox SERIES

Inner Support Fabric Duct With Uniform Air Speed

ASsox series inner support fabric duct with uniform air speed is the upgrade version of inner support fabric duct, with our patent. It is made of special flame retardant material, and the shape is like shuttle, endless gradient. In non-ventilation state, it still maintains a perfect shape of tube, which is quite suitable for high-end public place.

SUsox SERIES

Fabric Duct With Inner Support

SUsox series fabric duct with inner support is our patent technology. It is made of special flame retardant material, and in non-ventilation status, it still maintains a perfect shape of tube. This type fabric duct is suitable for high-end public place.

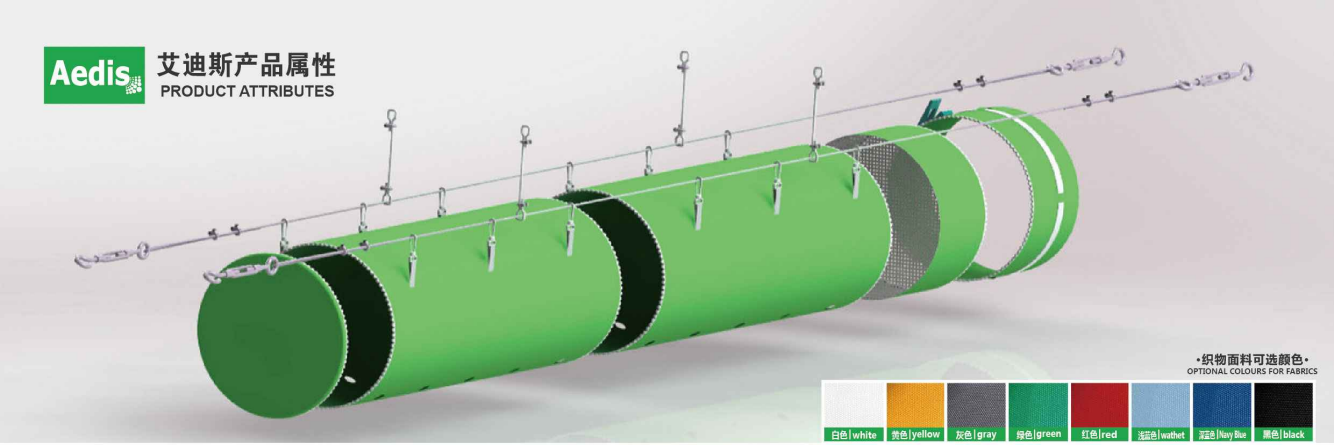
SUsox系列

带有支撑的纤维织物风管系统

Susox带有支撑的纤维织物风管系统，拥有专利支撑结构技术，采用特殊的阻燃材料制成的纤维织物支撑风管系统。它在不通风状态下保持完美圆管形状，呈现出最美观的纤维织物风管系统。适合高档的公共区域。

Aedis Fabric Duct

艾迪斯产品属性
PRODUCT ATTRIBUTES

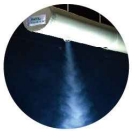


·织物面料可选颜色·
OPTIONAL COLOURS FOR FABRICS

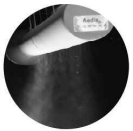
白色|white　黄色|yellow　灰色|gray　绿色|green　红色|red　浅蓝色|wathet　深蓝色|Navy Blue　黑色|black

柔性纤维布风管——出风方式
Flexible Fabric Duct-Air Outlet Mode

喷嘴出风方式 Nozzle Flow



小孔出风方式 Small Hole Flow



渗透出风方式 Permeable Flow

根据项目的需求：应用领域，层高要求，吊顶形式，客户的要求而选择风管的形状
According to the requirements of the project: application field, floor height requirement, ceiling form and customer's requirement, choose the shape of air duct.

柔性纤维布风管——文化定制
Flexible Fabric Duct--Culture Customize

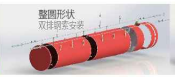
柔性纤维布风管——织物面料
Flexible Fabric Duct-Fabric Material

AI--永久阻燃布料／AI--Permanent Flame Retardant Fabric
艾迪斯布风管永久阻燃布料采用新一代纤维阻燃技术制成的永久阻燃纱纤。真正做到永久阻燃，不会因面料使用、洗涤与老化而减退。阻燃等级达到GB 8624-2006 B级及所有国际认可标准要求。

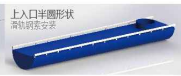
AIB--抗菌系列／AIB--Antibacterial Series
艾迪斯布风管抗菌系列是在永久阻燃基础上加上抗菌功能。由永久阻燃纤维和特殊抗菌纤维纺织而成。在永久阻燃的基础上能够有效抑制最常见致病病原物（微生物，细菌，病毒）增殖，从而抑制疾病的发生与传播。产品被广泛应用在食品、药品、医院、医药仓库等领域。

AII--抗静电系列／AII--Antistatic Series
艾迪斯布风管抗静电系列是在永久阻燃基础上加上抗静电功能。专用涤纶长丝与高性能永久性导电纤维经特殊工艺织造而成，方式为经向嵌织或经、纬向嵌织导电纤维。能够高效持久的阻止了因摩擦和感应产生的静电，以及灰尘的附着等问题。产品被广泛应用在医疗、制药、食品、精密仪器、航空航天等对静电比较敏感和对洁净度要求较高的行业。

柔性纤维布风管——风管形状
Flexible Fabric Duct-Shape of Ducts

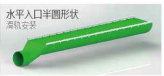


Rounded shape
Double Row Cable Installation



Upper entrance semicircular
Installation of slideway cables

Rectangular shape (patented technology)
Double-row slideway installation



Horizontal entrance semicircular
Slide rail installation

Aedis Fabric Duct

广州百姓大药房仓储项目
烟台大蒜储存基地项目
北京顺义篮球馆项目
丹东篮球馆 北京中关村第二小学
海东润医药物流项目 青岛益青胶囊医药库储存项目
康泰源医药有限公司 陕西华远集团
北京同仁堂广州公司 城区医药采供站
长城零部件生产车间项目 北京万泉小学
天士力集团 普禾医药有限公司
北京中关村第三小学 南药集团
首都师范附属小学
渭南丰达凯莱医药有限公司 潍柴发动机车间项目
河南通许县蔬菜仓储基地公司 利君医药有限公司
空客机翼通风项目
伊利集团 现代牧业集团
长春中东七彩城 北京海淀区五一小学（一分校）
北京朝阳CBD篮球天阶项目 烟台防空洞除湿通风项目
北京健龙森俱乐部 君乐宝挤奶车间
游泳馆/羽毛球馆 山东凤翔股份有限公司
中国科学院玉泉小学（本校） 国药控股广州公司
上海康人神肉制品有限公司 金锣玉米王火腿生产车间
青岛天一车业车间项目 北京海淀实验小学
青岛第二小学 华远集团大荔分公司
北京海淀区五一小学（本校） 大连部队导弹库除湿项目
四平城市规划馆项目 北京朝阳区幼儿园
济南高贝食品烘培车间 青岛开发区第一中学
烟台大蒜储存基地项目 日照莒县蔬菜储存基地公司
北京21世纪国际学校 山东金乡大蒜基地项目
天津航天所卫星运输箱通风项目 富士康郑州苹果6生产车间项目
哈药三精医药有限公司 河北德丰管业车间通风项目 湖南同安医药集团
宁德新能源科技车间通风项目 青岛第九中学 北京世贸天阶篮球展览馆项目
济南天星医药物流
青岛第九中学体育馆 和泉股份面包车间 长春七彩虹儿童娱乐中心项目 莱西蒜苗储存基地项目
即墨大润发超市项目 北京中关村第一小学
北京燕山星城中学 龙大肉食火腿预冷车间
青岛聚丰祥食品泡菜车间 康大肉食品加工车间
山东赛伦橡胶轮胎硫化车间 上海鑫博海蔬菜加工车间
北京21世纪国际学校 开源地下商业街项目
潍坊上城国际超市项目 青岛第一中学体育馆

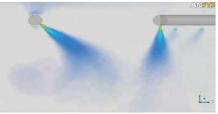
Aedis

追求绿色科技 缔造健康生活

已成功应用 多种领域

IT HAS BEEN SUCCESSFULLY APPLIED IN MANY FIELDS.

Aedis 学校教室新风领域 SCHOOL AIR SYSTEM



中关村第二小学 Zhongguancun No.2 Primary School

海淀实验小学
Haidian Experimental Primary School

首都师范附属小学
Capital Normal Affiliated Primary School

中国科学院玉泉小学
Yuquan Primary School, Chinese Academy of Sciences

学校教室新风领域

Fresh Air in School Classrooms

根据空气动力学采用射流+置换气流组织形式。根据教室新风特征，艾迪斯开发的，专为新风设备匹配的纤维织物风管系统，具有安全，环保，无噪音，安装快捷方便，日后维护方便，美观的柔性纤维风管系统。对于有梁的教室，风管可以在梁下布置也可以贴在天花板采用过梁器布置。对于没梁的教室，风管可以在吊顶下布置。

According to the characteristics of fresh air in classroom, Aedis specially developed the fabric duct to match with fresh air system in forms of jet+replacement air flow. It has advantages as safe, environmentally friendly, no noise and fast installation and easy maintenance. For classroom with girder, the fabric duct can be laid under the girder or attached to the ceiling by beam crosser. For classrooms without girder, the fabric duct can be arranged under the ceiling.

项目一览

List of projects

青岛第二小学 / 北京海淀实验小学 / 北京中关村第一小学 / 北京中关村第二小学 /北京中关村第三小学 / 首都师范附属小学 / 万泉小学 /北京21世纪国际学校/北京朝阳区幼儿园/北京海淀区五一小学（本校）/北京海淀区五一小学（一分校）/中国科学院玉泉小学（本校）/北京燕山星城中学/济南美丽智行学校/郑州第二小学 /济南山大附小

Qingdao No.2 Primary School/Beijing Haidian Experimental Primary School/Beijing Zhongguancun No.1 Primary School/Beijing Zhongguancun No.2 Primary School/Beijing Zhongguancun No.3 Primary School/Capital Normal School Fan Affiliated Primary School/Wanquan Primary School/Beijing 21st Century International School/Beijing Chaoyang District Kindergarten/Beijing Haidian District May 1 Primary School (our school)/Beijing Haidian District 5 Primary School (one school)/Yuquan Primary School of Chinese Academy of Sciences (our school)/Beijing Yanshan Xingcheng Middle School/Jinan Meimei Zhixing School/Zhengzhou Second Primary School/Jinan Mountain Big subsidiary

Aedis 工业机械电子领域
Industrial Field Application

菏泽海东纺织厂　Heze Haidong Textile Mill

空客机翼通风项目
Airbus Wing Ventilation Project

欧丽数码车间项目
Ouli Digital Workshop Project

宁德新能源科技车间通风项目
Ventilation Project of Ningde New Energy Science and Technology Workshop

工业机械电子领域

Industrial Field Application

布风管重量非常轻，大大减轻了对房顶的承重。采用CFD软件进行气流模拟，气流组织更合理。该项目采用圆形风管，小孔射流出风方式。艾迪斯布风管可以根据不同功能区域和空间区域进行不同的设计和制作，满足不同区域的送风需求，送风均匀，舒适无死角，无吹风感，可以方便的拆卸安装，清洗非常方便，有效提高空气质量，提升空间内的洁净等级，同时可以定制多种颜色、图案和标语、美观大方。

The fabric duct is very light in weight, which greatly reduces the load on the roof. CFD software is used to simulate the air flow, and the air distribution is more reasonable. Industrial field normally uses circular fabric duct and the air outlet is using small hole jet. Aedis can design and make fabric ducts for air distribution in different areas according to different requirement. The air distribution is uniform, comfortable, without blind area and no sense of blowing. Fabric duct is easy to install and disamount, and also can be washed. By using fabric ducts, the air quality and cleanliness of the space is improved effectively. The material has many color option, and the duct can print with LOGO or slogans.

项目一览

List of projects

宁德新能源科技车间通风项目 / 富士康郑州苹果6生产车间项目 / 空客机翼通风项目 / 大连部队导弹库除湿项目 / 烟台防空洞除湿通风项目 /菏泽海东纺织厂

Ningde New Energy Technology Workshop Ventilation Project/Foxconn Zhengzhou Apple 6 Production Workshop Project/Airbus Wing Ventilation Project/Dalian Army Missile Depot Dehumidification Project/ Yantai Air Defense Shelter Dehumidification Ventilation Project/Heze Haidong Textile Mill

Aedis 通用食品工厂领域
Food Processing Industry

泉股份烘焙食品和车间　Quan stock baking food and workshop

龙大肉食火腿预冷车间项目
Longda meat ham pre-cooling workshop project

康大肉食品加工车间项目
Kangda Meat Food Processing Workshop Project

聚丰祥食品泡菜车间降温项目
Cooling Project of Jufengxiang Food Pickle Workshop

通用食品工厂领域

Food Processing Industry

通用食品项目艾迪斯拥有多项核心技术专利，有国内知名肉食品加工企业用户，金锣，龙大食品，达能等。艾迪斯纤维风管送风均匀等优势非常适合粉尘生产车间，在降温的同时防止粉尘因风速到处乱飞。艾迪斯纤维布风管系统能保证一个稳定的温湿度环境。在可渗透的布风管上，空气通过整个布风管表面进行扩散以小于0.2m/s的风速送入到工作区，射程短。能充分保证工作区的舒适性，有效避免产品水分流失，从而保证了产品的质量。风管卫生条件好，不会有凝结水的问题，便于清洗，从而避免了滋生细菌与霉菌。

In general food processing industry, Aedis fabric ducts have a number of core technology patents. Well known demostic customers including Jin Luo, Longda Danone and so on. The advantage uniform air distribution of Aedis fabric duct is very suitable for powder processing workshop, which can prevent dust from flying around due to low air speed. Aedis fabric ducts can guarantee a stable temperature and humidity environment. By permeable fabric duct, the air is diffused through whole fabric surface to working area at a speed less than 0.2m/s. It can not only guarantee the comfort in working area, but also guarantee the product quality because it avoids moisture loss. Fabric ducts won't have condensed water drop problem, and it can be washed, avoiding breeding bacteria and mildew.

项目一览

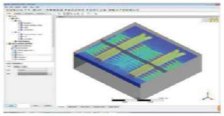
List of projects

龙大肉食火腿预冷车间 / 金锣玉米王火腿生产车间 / 康大肉食品成产车间 / 上海鑫博海蔬菜加工车间 / 君乐宝挤奶车间和泉股份面包车间 / 现代牧业集团 /伊利集团 / 济南高贝食品烘焙车间 / 青岛聚丰祥食品泡菜车间 / 上海唐人神肉制品有限公司 / 山东凤翔股份有限公司

Longda Meat Ham Pre-cooling Workshop/Jinluo Maize King Ham Production Workshop/Kangda Meat Food Production Workshop/Shanghai Xinbohai Vegetable Processing Workshop/Junlebao Milking Workshop/Hequan Bread Workshop/Modern Animal Husbandry Group/Yili Group

Aedis Fabric Duct

Aedis 医药物流仓储领域
MEDICINE LOGISTICS



北京同仁堂广州公司 Beijing Tongrentang Guangzhou Company

青岛海尔海医药物流项目
Qingdao Haidongrun Pharmaceutical Logistics Project

新华医药库项目
Xinyu Pharmaceutical Storage Project

百姓药业集团
Popular Pharmaceutical Group

医药物流仓储领域

Medical Logistics Warehousing Field

艾迪斯纤维织物风管系统在商业仓储、蔬菜仓储、医药仓储拥有知名的客户群体。在冷库送风的领域中，经常会遇到单个风机的风量很大，而空间的高度却非常有限，以往只能采用半圆形布风管，但是现场的屋顶结构一般无法满足半圆形风管的安装条件。为了解决这一技术问题，艾迪斯公司研发了一种 RDS 柔性纤维布风管系统，非常好解决了这一问题。为冷库专属订造的专利技术产品RDS（Rectangular Duct System）柔性纤维布风管系统（又称矩形风管）
专利号：201520056448.5

Aedis fabric duct system has numbers of well-known customers in commercial warehousing, vegetable warehousing and pharmaceutical warehousing. In this field, there is often a problem that single fan air volume is quite big but the space height is limited. In the past, only semi-circular ducts were used, but the roof structure cannot general meet semi-circular installation requirements. To solve this problem, Aedis developed a RDS flexible fabric duct system especially for cooling warehouse (also known as rectangular ducts). Patent Number 201520056448.5

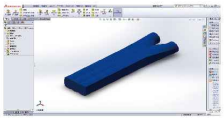
项目一览

List of projects

国药控股 广州公司 / 北京同仁堂广州公司 / 广州百姓大药房仓储项目 / 天士力集团 / 海尔润医药物流项目 / 青岛益青胶囊医药库储存项目 / 陕西华远集团城区医药采供站 / 康泰源医药有限公司 / 华远集团大慈分公司 / 普天医药有限公司 / 利君医药有限公司 / 哈药三精医药有限公司 / 渭南丰达果菜医药有限公司 / 南药集团 / 湖南同安医药集团 /济南天星医药物流/湖南协众医药/长州济群医药

China Pharmaceutical Holdings Guangzhou Company/Beijing Tongrentang Guangzhou Company/ Guangzhou People's Da Pharmacy Storage Project/Tianshili Group/Haidong Run Pharmaceutical Logistics Project/Qingdao Yiqing Gum Cystic Medicine Storage Project/Shaanxi Huayuan Group: Urban Medical Collection and Supply Station/Kangtaiyuan Pharmaceutical Co., Ltd. / Dali Branch of Huayuan Group/Puhe Pharmaceutical Co., Ltd./ Lijun Pharmaceutical Co., Ltd.

Aedis 蔬菜物流仓储领域
VEGETABLE LOGISTICS



河南通许县蔬菜储存基地项目 Project of Vegetable Storage Base in Tongxu County, Henan Province

日照莒县大姜储存基地项目
Rizhao Juxian Ginger Storage Base Project

日照莒县大姜储存基地项目
Rizhao Juxian Ginger Storage Base Project

河南通许县蔬菜储存基地项目
Project of Vegetable Storage Base in Tongxu County, Henan Province

蔬菜物流仓储领域

Vegetable Logistics Warehousing Field

艾迪斯纤维风管系统很好的解决了蔬菜保鲜的问题。冷库的低温高湿环境和温度不均匀都是造成冷库结冰结霜的重要原因，一般冷库都需要定期清理化霜，过程麻烦，成本高。所以如何有效防凝露成为许多冷库工程设计者关心的问题，而艾迪斯纤维布风管的使用很好的解决了这一难题。艾迪斯布风管开口灵活，防止凝露出现。在冷库系统中，艾迪斯布风管这一优点能最大限度的降低冷库内温差，快速均匀制冷。既有良好的抗菌性能，且成本低。防凝露效果好等优点将使布风管在冷库系统中将得到更加广泛的应用。

Aedis fabric duct has solved the problem of vegetable preservation very well. The low temperature, high humidity and uneven temerature of cold storage are the key reasons for freezing and frosting in cold storage. As a result, the cold storage warehouse needs to do cleaning and defrosting periodically, which is troublesome and the cost is high. So how to effectively prevent condensation has become a concern of many cold storage engineers. The use of Aedis fabric duct solves this problem well. The duct openings are flexible to prevent condensation. In cold storage system, this advantage of Aedis fabric duct can minimize the temperature difference and freeze rapidly and uniformly. It has good antibacterial properties and cost low.

项目一览

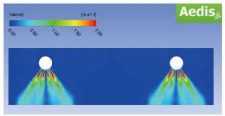
List of projects

河南通许县蔬菜仓储基地公司 / 日照莒县蔬菜储存基地公司 / 烟台大蒜储存基地项目 / 莱西蒜苗储存基地项目 / 山东金乡大蒜基地项目 / 平度蔬菜基地冷库项目/平度樱桃基地项目

Henan Tongxu County Vegetable Storage Base Company/Rizhao Juxian Vegetable Storage Base Company/ Yantai Garlic Storage Base Project/Laixi Garlic Seedling Storage Base Project/Shandong Jinxiang Garlic Base Project/ Pingdu Vegetable Base Cold Storage Project/Pingdu Cherry Base Project

Aedis Fabric Duct

Aedis 体育场馆领域
STADIUM PROJECT



北京世贸天阶篮球展馆项目 Beijing World Trade Organization Tianjie Basketball Exhibition Hall Project

建龙森羽毛球馆
Jianlongsen Badminton Hall

北京建龙森俱乐部游泳馆
Beijing Jianlongsen Club Swimming Pool

青岛第九中学体育馆项目
Qingdao No.9 Middle School Gymnasium Project

体育场馆领域

Stadium And Gymnasium Field

艾迪斯纤维织物风管系统很好的应用了篮球、羽毛球、乒乓球等体育场馆。采用专业软件AFD软件设计，CFD软件进行气流模拟，气流组织更合理羽毛球轨迹线区域风速控制在0.2m/s一下，以免影响比赛结果。对于羽毛球的场馆，为了不影响球类运动轨迹和运动员的状态，这类场馆多为网架结构不能承重。艾迪斯纤维布风管通过多排开孔解决观众席和场地制冷通风需求，风管布置在网架内，离空安装简便轻巧，美观高档。还可以兼顾防凝露。场地上空风速极低小于0.2米/秒，观众席风速0.3-0.5米/秒，均匀舒适。

Aedis fabric ducts has good application in stadium like baskeball, badminton, table tennis and other gymnasium field. Using professional AFD software design, CFD software to carry out. In order to avoid affecting the result of badminton match, the airflow simulation shows that the airflow is more reasonable and the air speed in the area of badminton trajectory is controlled under 0.2m/s. For badminton court, in order not to affect the ball track and the state of athletes, most of these courts are grid structure which cannot bear heavy load. Aedis fabric ducts solves the cooling requirement both in auditorium and the playing court by multi-row small holes opening. The ducts are installed inside the grid structure. It is light and easy to install, but also beautiful. The air speed over the court is very low, below 0.2m/s. In auditorium area, the air speed is around 0.3-0.5m/s, which is even and comfortable.

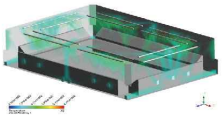
项目一览

List of projects

北京朝阳CBD篮球天阶项目 / 北京顺义篮球馆项目 / 北京健龙森俱乐部羽毛球馆 / 北京建龙森俱乐部游泳馆 / 丹东篮球馆 / 青岛第九中学体育馆 / 青岛第一中学体育馆/南京城市学院体育馆/成都航空体育馆项目

Beijing Chaoyang CBD Basketball Sky Event/Beijing Shunyi Basketball Hall Event/Beijing Jianlongsen Club Badminton Hall/Beijing Jianlongsen Club Swimming Hall/Dandong Basketball Gymnasium/Qingdao No.9 Middle School Gymnasium/Qingdao No.1 Middle School Gymnasium/Nanjing City College Gymnasium/ Chengdu Aviation Gymnasium Project

Aedis 商场娱乐公共场所领域
Shopping and Entertainment Space



潍坊上城国际超市项目 Weifang Shangcheng International Supermarket Project

连云港冰雕世界项目
Lianyungang Ice Sculpture World Project

商场超市项目
Shopping mall supermarket project

长春七彩虹儿童娱乐项目介绍
Introduction of Changchun Seven Rainbow Children's Entertainment Project

商场娱乐公共场所领域

Shopping and Entertainment Space

艾迪斯纤维织物风管系统很好的解决了超市与大型儿童娱乐中心人口密集的环境问题。艾迪斯布风管可以根据不同功能区域和空间区域进行不同的设计和制作，满足不同区域的送风需求，送风均匀舒适无死角，无吹风感，可以方便的拆卸安装，清洗非常方便，有效提高空气质量，提升空间内的洁净等级，同时可以定制多种颜色、图案和标语。

Aedis fabric duct system has solved the problem of densely populated environment in suppermarket and large children entertainment centers. Aedis can design and make fabric ducts for air distribution in different areas according to different requirement. The air distribution is uniform, comfortable, without blind area and no sense of blowing. Fabric duct is easy to install and disamount, and also can be washed. By using fabric ducts, the air quality and cleanliness of the space is improved effectively. The material has many color option, and the duct can print with LOGO or slogans.

项目一览

List of projects

长春七彩虹儿童娱乐中心项目 / 四平城市规划馆项目 / 开源地下商业街项目 / 潍坊上城国际超市项目 / 开源地下商业街商场 / 潍坊上城国际超市项目/连云港冰雕世界/哈尔滨美丽岛大棚旅游度假村

Changchun Seven Rainbow Children's Entertainment Center Project/Siping Urban Planning Hall Project/ Open Source Underground Commercial Street Project/Weifang Shangcheng International Supermarket Project/Open Source Underground Commercial Street Project Shopping mall/Weifang Shangcheng International Supermarket Project/Lianyungang Ice Sculpture World/Harbin Beautiful Island Greenhouse Tourism Resort

Aedis Fabric Duct

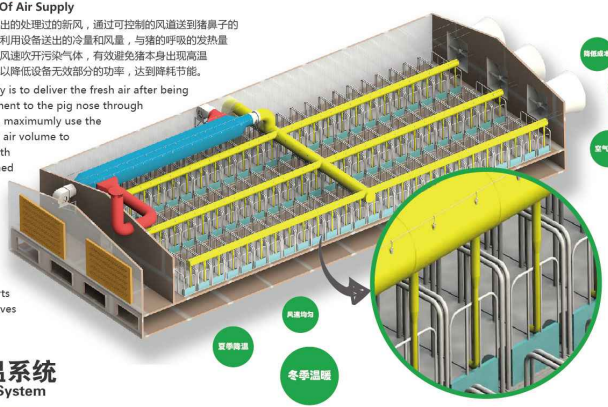
1 精准送风系统（PIG–AIR）热交换+制冷
PRECISION AIR SUPPLY SYSTEM (PIG–AIR) Heat Exchange+Cooling

精准送风定义

Precise Definition Of Air Supply

精确送风就是将设备送出的处理过的新风，通过可控制的风道送到猪鼻子的呼吸区域，最大程度地利用设备送出的冷量和风量，与猪的呼吸的发热量进行交换，通过一定的风速吹开污染气体，有效避免猪本身出现高温或呼吸道疾病的发生，以降低设备无效部分的功率，达到降耗节能。

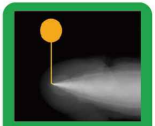
The precise air supply is to deliver the fresh air after being processed by equipment to the pig nose through a controlled air duct, maximumly use the cooling capacity and air volume to do heat exchange with calorific value breathed out by pig. It blows away the polluted air by certain air speed and avoids pig getting sick. It also reduces power consumption of the ineffective parts of equipment and saves energy.



采用布风管和pvc弯头
Use fabric Duct and PVC Elbow

新风呼吸系统主管道采用布风管，垂直部分采用布风管和pvc弯头结合的方式

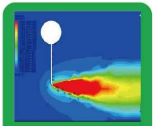
The main pipeline of fresh air system uses fabric ducts, vertical parts use fabric ducts and PVC elbow.



吹开氨气和二氧化碳
Blow Off Ammonia and Carbon Dioxide

使新风直接送到猪鼻子处,送风量小，通过风速可以把猪头部的氨气和二氧化碳等废气吹开

The fresh air is sent directly to the pig's nose, and the air volume is small. Waste gases such as ammonia and carbon dioxide in the head area is blown away.



实现局部送风
Realize Local Air Supply

以实现更加精准的呼吸，确保呼吸新鲜空气的效果，实现局部送风

To achieve more accurate breathing, and guarantee effect of fresh air breaking, to realize local air supply.

精准送风特征

① 节约能耗，因为只考虑猪本身的能耗，降低了通风的投入和运行成本。
② 采用风道送风，改变猪舍循环气流，使猪舍的猪由冷风直接被吹到，变成已是经过热交换设备吹出的和煦温风拥面，让猪倍感舒适。
③ 猪舍内被送风气流吹起的灰尘颗粒会减少，因为循环的冷热交换气流会由风道的控制，变得更简捷顺畅，改变了以往整个猪舍都在送风气流的搅动之下，整个猪舍空气参与降温全过程；由于只有部分位置的空气参与了气流流动，使得空气更清新。
④ 夏季可以通过风管开孔的设计以一定的风速之间吹到猪脖子附近，让猪有很好的体感，再有一部风凉风吹到猪鼻子附近可以让猪呼吸凉爽的新鲜空气。
⑤ 由于采用风管的ASSOX均速风管系统，可以有效控制每个猪鼻子附近的风速的均匀性。
⑥ 冬季和HESSOX热交换系统配合，让猪可以呼吸的温暖的新风。

2 FDS降温系统
FDS Cooling System

FDS降温系统优势

向舍内正压送冷风，达到降温的目的，虽比湿帘—风机负压通风系统降温效果略差，但因其对畜舍密闭性和运行管理要求不高，可以应用在密闭性差、结构开放、空间较大、自动化程度不高的猪舍。具有定点送冷风、局部空间降温的优势，一定程度上提高了养殖人员工作效率。

Advantages Of FDS Cooling System

Positive pressure cooling air is supplied to the house to achieve the purpose of cooling. Although the cooling effect is not better than that of the wet curtain fan negative pressure ventilation system, it can be used in the pig house which has poor airtightness, open structure, big space and low automation, because it doesn't have high requirement for hermeticity and operation management. It has advantages as fixed points cooling air supply and partial space cooling. To a certain extent, it improves the work efficiency of aquaculture personel.

Precision Air Supply Characteristics

①Saving energy consumption, because only considering the energy consumption of the pig itself, reduces the cost of ventilation and operation.
②Using the fabric duct to supply air, it changes the air flow circulation in the pig house. The pig in the house is changed from cool air direct blowing to warm air touching which is after heat exchange. It makes the pig feel more comfortable.
③The dust particles blown by the air supply in the pig house will be reduced, because the warm and cold exchange air flow will become smooth by fabric ducts. It changes the phenomunon that the whole pig house engaged in whole cooling process because traditional method is making the whole pig house under air blow agitation. Due to partial air in the house participate in the air exchange, it makes the air cleaner.
④In summer, it can be blown to the neck of the pig with a certain wind speed through the design of the opening of the duct, so that the pig has a good sense of body. The pigs can breathe cool fresh air near the pig nose.
⑤Due to the use of ASSOX average speed duct system of air duct, the uniformity of wind speed near each pig nose can be effectively controlled.
⑥Winter and HESSOX heat exchange system match the warm fresh air that pigs can breathe.

Aedis Fabric Duct

3 弥散式送风系统（Dispersion-SOX）

Advantages of Dispersive Air Supply System

①There is no dead-end air supply, pigsty air supply uniform
②Controllable wind speed to ensure the comfort of pigs
③Wind speed can fully exchange energy and reduce cold stress.

弥散式送风系统优点

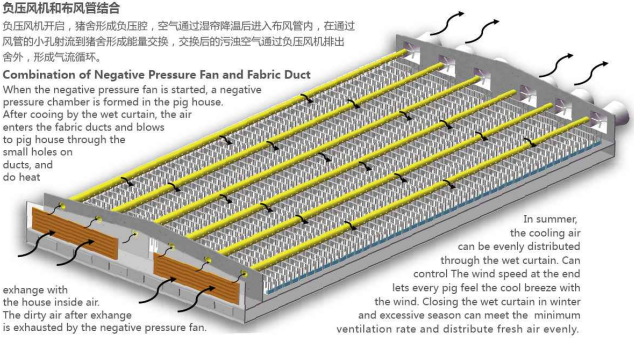
①送风无死角，猪舍送风均匀
②风速可控，保证猪的舒适性
③风速可以充分能量交换，减少冷应激

负压风机和布风管结合

负压风机开启，猪舍形成负压腔，空气通过湿帘降温后进入布风管内，在通过风管的小孔射流到猪舍形成能量交换，交换后的污浊空气通过负压风机排出舍外，形成气流循环。

Combination of Negative Pressure Fan and Fabric Duct

When the negative pressure fan is started, a negative pressure chamber is formed in the pig house. After cooing by the wet curtain, the air enters the fabric ducts and blows to pig house through the small holes on ducts, and do heat exhange with the house inside air. The dirty air after exhange is exhausted by the negative pressure fan.



In summer, the cooling air can be evenly distributed through the wet curtain. Can control The wind speed at the end lets every pig feel the cool breeze with the wind. Closing the wet curtain in winter and excessive season can meet the minimum ventilation rate and distribute fresh air evenly.

夏季可以通过湿帘降温后的冷气均匀的分布。可以控制 末端风速让每个猪都可以感受到有风速的凉风。冬季和过度季节关闭湿帘可以满足最小通风量，均匀分布新鲜空气。

4 动力式弥散式送风系统
Dynamic Dispersive Air Supply System

轴流风机+纤维织物风管系统

① 轴流风机将舍外新风通过正压送入到舍内
② 纤维布风管可选择水平或者水平偏上方向送风
③ 精准计算开孔大小，间距，保证舍内新风均匀无死角
④ 猪只不会因为直接吹到冷风产生冷应激

Axial Fan + Fabric Duct System

① Axial fan feeds fresh air outside the building into the building through positive pressure
② Fiber air duct can be supplied horizontally or horizontally upward.
③ Accurate calculation of the size and spacing of openings to ensure uniform fresh air in the building without dead angle
④ Pigs do not suffer from cold stress because they are not blown directly by cold air.

Aedis 猪舍新风领域案例
Pig House Fresh Air System

山西金牧农猪舍 Shanxi Golden Animal Husbandry Pig House

环山集团
Huanshan Group

丰宁项目
Fengning project

温氏集团
Wen's Group

猪舍新风领域

Pig House Fresh Air Field

良牧猪舍新风通盖旗下的母猪舍降温系统，妊娠舍新风系统，育肥猪舍降温系统等多个板块。母猪舍降温系统利用创新性的良牧射流系统，将冷风机产生的冷风直接送到母猪身上，同时不会影响到母猪身边小猪的环境温度，是当前环境下母猪舍降温的最佳选择。妊娠猪舍降温所用风管使用了良牧隔膜式降温系统，利用此系统可以完成夏季向下送风降温，冬季向上送新风换气的作用。

The pig house fresh air system includes several sections such as sow house cooling system, pregnancy house fresh air system, fattening house cooling system and so on. The cooling system in sow house uses innovative jet system, which deliver the cool air generated by air cooler directly to the sow without affecting the piglets ambient temperature. It is the best choice for cooling the sow house. The fabric ducts used in pregnancy house is a diaphragm cooling system, which complete the function of cooling downward air supply in summer and ventilating upward fresh air in winter.

项目一览

List of projects

正邦集团新疆猪场/ 大牧人东方希望猪场项目 / 扬州加农母猪舍 / 山西金牧农猪舍 /正邦集团扶余生态猪场 / 正邦集团哈尔滨富裕猪场/ 谷瑞大北农猪场项目 /江苏立华育肥舍/天兆猪业南充生态猪场项目/环山朗朗猪场/环山乳山东发猪场/谷瑞温氏南充项目/温氏剑二军山种猪场项目/温氏盛利猪舍项目 /中国农业大学丰宁猪场项目/四方红王家嘴猪场项目

Zhengbang Group Xinjiang Pig Farm/Herdsman Oriental Hope Pig Farm Project/Yangzhou Jianong Sow House/Shanxi Jinmu Pig House/Zhengbang Group Fuyu Ecological Pig Farm/Zhengbang Group Harbin Rich Pig Farm/Gurui Dabei Agricultural Pig Farm Project/Jiangsu Lihua Fattening House/Tianzhao Pig Industry Nanchong Ecological Pig Farm Project/Huanshanbu Liu Pig Farm/Huanshan Rushan Rushan Pig Farm/

Aedis Fabric Duct

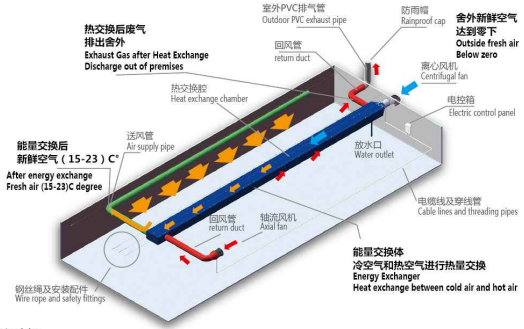
5 HESOX纤维管道式热交换系统
HESOX Fabric Duct Heat Exchange System

热交换工作原理

HESOX系统中的核心器件是显热交换腔体，舍内排出的污浊空气和舍外送入的新鲜空气通过传热管道交换温度，从而达到既通风换气又保持室内温度稳定的效果。省钱省力，与现有环控系统无缝连接。

Working Principle of Heat Exchange

The core device of HESOX system is sensible heat exchange chamber. The dirty air discharged from the house and the fresh air delivered from the outside Through heat transfer pipeline to exchange temperature, ventilation can be achieved. Air also keeps the indoor temperature stable.
Save money and labor, seamless connection with existing environmental control system.



设备运行功耗

冬季使用热交换通风时，整个系统利用变频和定时启停来控制通风量只有最后出栏时设备才会满负荷运行，这样保证在满足最小通风量的同时又有一个良好的节能效果。

Power Consumption of Equipment Operation

When using heat exchange ventilation in winter, the whole system uses frequency conversion and timing start-stop to control the ventilation volume. Only when they finally become fattened hogs, will the equipment run at full load, so as to ensure the safety of the system. It has a good energy-saving effect while meeting the minimum ventilation rate.

HESOX热交换通风量

夏季采用负压风机加湿帘的通风方式，保证通风量。过渡季节采用通风小窗通风。冬季采用热交换方式进风，前期采用定时和变频的方式满足最小通风量，出栏时所需新风量为45000m³/h，热交换的通风量为48000m³/h，完全可以满足各阶段的最小通风量。

HESOX Heat Exchange Ventilation Volume

In summer, the ventilation mode of negative pressure fan humidifying curtain is adopted to ensure the ventilation volume. Small ventilated windows in transitional season Ventilation. In winter, heat exchange is adopted for air intake, and in the early stage, timing and frequency conversion are adopted to meet minimum ventilation volume. When they are ready for slaughter, the required fresh air volume is 45,000 m_/h, and the ventilation volume of heat exchange is 48,000 m_/h. It can meet the minimum ventilation rate of each stage.

Aedis 鸡舍新风领域案例
CHICKEN HOUSE FRESH AIR FIELD

益生祖四场
Four Stages of Probiotic Ancestors

益生栖霞祖十八场项目
Eighteen Projects of Probiotic Qixiazu

河北飞龙柏乡鸡场
Hebei Feilong Baixiang Chicken Farm

鸡舍新风领域

Chicken House Fresh Air Field

HESOX纤维风管式热交换系统利用鸡舍废热变废为宝解决冬季的新风问题，具有送风均匀，气流组织可控，未端速度可控等优点，可以很好的解决畜禽舍冬季新风问题。对降低鸡舍氨气二氧化碳等有害气体，以及减低续生的呼吸道疾病，有很好的作用。采用智能化控制系统，可以实现无人值守，通过传感器采集温度、二氧化碳浓度以及氨气的浓度等参数，绿色可循环利用的能源可以大大改善环境，给客户带来丰厚的经济利益

HESox fabric duct heat exchange system uses waste heat from chicken house to convert waste heat to treasure to sove the problem of fresh air in winter. It has uniform air supply and controllable air distribution. The advantages of controllable terminal velocity can solve the problem of fresh air in livestock and poultry houses in winter. It plays an important role in reducing harful gases such as ammonia and carbon dioxide in chicken houses, and reducing respiratory diseases of calves. With intelligent control system, it can realize unattended monitoring by collecting the parameters such as temperature, carbon dioxide concentration and ammonia concentration and so on through the sensors.

项目一览

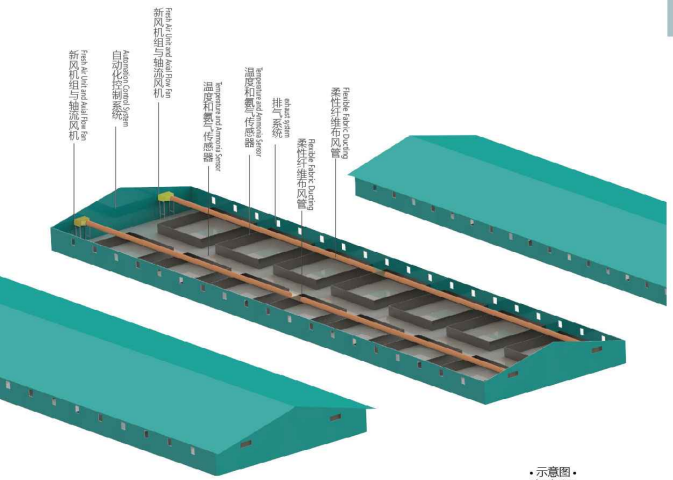
List of projects

四万新城北京大风鸡场/沈阳金羽项目/华裕涉县龙虎乡祖代鸡场/威海华育末村养殖有限公司/荣成华育养殖有限公司/河北飞龙柏乡鸡场/宁夏鸭鸣热回收鸡舍/益生乳山父十二场/益生宝泉岭祖八场/益生桃村祖八场/益生祖十二场/益生祖四场/益生乳山厘七场/益生栖霞祖十八场/中慧安丘热回收/河北邯郸华裕一场/鄂州阿拉善正压鸡舍/河北邯郸华裕二场/上海德牧横道河配猪舍/益生蓬莱父九场项目/益生莱州GGP产蛋舍/中裕祁甩小鸡野化厅项目/益生鲁南种猪场/江苏益太孵化厅/北京大风鸡场/莱州实验二场/泗水SPF项目/山西大象/ 中慧安丘热回收项目/莱阳春雪项目

Sifang New Area Beijing Dafeng Chicken Farm/Shenyang Jinyu Project/Huayushi Longhu Township Zudai Chicken Farm /Weihai Huayusong Village Breeding Co., Ltd/Rongchenghua Breeding Co., Ltd. North Feilongbaixiang Chicken Farm/ Ningxia Xiaoming Heat Recovery Chicken House/Thirteen Families of Probiotic Rushan Father/Six Families of Probiotic Baoquanling Zu/Eight Families of Probiotic Taocun Zu/Twelve Families of Probiotic Zu/Four Families of Probiotic Zu Field/probiotic milk eggs 7 farms/probiotic Xiazu 18 farms/Zhonghui Anqiu heat recovery/Handan Huayu 1 Farm in Hebei/Xiaoming Alashan positive pressure chicken house/Handan Huayu 2 farm in Hebei/Shang Hyde Mu Hengdao River Camel-waisted Pigsty/Probiotic Penglai Father Nine Farm Project/Probiotic Laizhou GGP Laying House/Zhongyu Electrical Chicken Incubation Hall Project/Probiotic Lunan Pigsty Farm/Jiangsu Yitai Incubation Hall/Beijing Dafeng Chicken Farm/Laizhou Experiment II/Sishui SPF Project/Shanxi Elephant/Zhonghui Anqiu Heat Recovery Project/ Laiyang Spring Snow Project

Aedis Fabric Duct

6 艾迪斯新风系统
Aedis Fresh Air System



• 示意图 •
Sketch Map

正压通风系统的基本工作原理

用进气风扇将舍外洁净空气换进，并通过一均匀排列许多透气孔眼经整个犊牛舍的长通风管道将洁净空气均匀释放，以稀释和排出舍内污浊空气。在东北偏冷地区可以采用自牧的新风机组对空气进行加热和干燥，予以避免新风导致温度下降，系统采用智能化控制系统，可以实现无人值守，通过传感器采集温度、二氧化碳浓度以及氨气的浓度等参数，如果在安全范围内，系统自动停止，一旦参数超标，系统自动开启。不仅大大降低了过度送新风导致温度下降，也保证了整个牛舍一直处于舒适状态。也降低了人工费用。

Basic working principle of positive pressure ventilation system

The clean air outside the house is exchanged by an air intake fan, and the clean air is evenly released in the house through a long ventilation duct with many evenly opened air holes, and exhaust the polluted air from house inside. In cold area, the fresh air fan unit can be used to heat and dry the air, so as to avoid the temperature drop caused by fresh cold air.
The system adopts intelligent control system, which can realize unattended monitoring through sensors which can collect parameters like temperature, carbon dioxide concentration and ammonia concentration. If all parameters are within the safe range, the system will stop automatically. Once the data exceeds the standard, the system will start automatically again. It not only greatly reduces the possibility of temperature drop due to over-delivery of cold fresh air, but also keeps the house in a comfortable state. It also reduces labor cost.

Aedis 牛舍新风领域案例
Fresh Air in Calf House

中兴牧业生态牧场 ZTE Animal Husbandry Ecological Ranch

伊利集团
Yili Group

中地生态牧场
Mediterranean Ecological Ranch

现代牧业
Modern animal husbandry

牛舍新风领域

Fresh Air in Calf House

柔性纤维布风管正压通风的目的就是将旷野洁净空气通过一特殊通风系统换进犊牛舍内，以稀释和排出犊牛舍内污浊的空气。正压通风系统主要由进气风扇和一不满许多透气孔的长通风管道组成。进气风扇安置在犊牛舍尽端进气口，其作用是将舍外洁净空气换进舍内;通风长管道悬挂于犊牛舍顶部，其长度几乎等同犊牛舍纵轴，管道上均匀排列着许多透气孔，以使换进的舍外洁净空气均匀逸出。

The purpose of positive pressure ventilation with fabric duct is to transfer outside fresh air into the calf house through a special ventilation system, dilute and exhaust the dirty air in the house. Positive pressure ventilation system consists of an intake fan and long ventilation ducts. The air intake fan is installed at the entry position of calf house with a function of changing the clean air from outside into the house. The long ventilation duct hangs on top of the calf house and its length is almost same as the house length. There are many air holes on the duct to make the clean air escape to the house evenly.

项目一览

List of projects

久元牧业挤奶厅项目/天津奶牛养殖基地/安徽亳州肉牛养殖基地/高安肉牛养殖基地/九元牧业犊牛舍伊利犊牛舍项目/现代牧业塞北生态牧场/现代牧业察北生态牧场/现代牧业商河生态牧场/现代牧业尚志生态牧场/现代牧业双城生态牧场/中地天镇生态牧场/中地宁夏贺兰生态牧场中地河北安安生态牧场/奥前尔格洞富德项目/江西荣昌畜牧项目/北京奥泰尔项目/奥耐尔沙湾天润项目/黑河中兴牧业霍龙门牧场

Jiuyuan Animal Husbandry Milking Hall Project/Tianjin Dairy Cattle Breeding Base/Bozhou Beef Cattle Breeding Base in Anhui Province/Gao'an Beef Cattle Breeding Base/Jiuyuan Cattle Shelter Yili Calf Cowhouse Project/Modern Animal Husbandry Saibei Ecological Ranch/Modern Animal Husbandry Chabei Ecological Ranch/Modern Animal Husbandry Shanghe Ecological Ranch/Modern Animal Husbandry Shangzhi Ecological Ranch/Present Dual City Ecological Ranch/Zhongdi Tianzhen Ecological Ranch/Central Ningxia Helan Ecological Ranch in Hebei Wen'an Ecological Ranch/Oner Grenford Project/ Jiangxi Rongchang Animal Husbandry Project/Beijing Onel Project/Onel Shawan Tianrun Project/Heihe Zhongxing Animal Huolongmen Ranch

Aedis Fabric Duct