



Solutions for all environments



提高能效 降低成本

进气过滤 INTAKE AIR FILTERS



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RENHE ENVIRONMENTAL
EQUIPMENTS CO.,LTD.**
江阴市人和环保设备有限公司

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ABOUT US

关于我们

人和环保依托苏南地区特有的优势，建立生产和技术开发基地。座落于全国百强县之首——江阴市北国工业园区，南靠中国第一村——华西村，北连全国文明城市——张家港，距离沿江高速公路仅1公里。

人和环保是一家专业从事空气入口过滤和除尘回收过滤产品及备件研发、设计、制造、销售及安装服务于一体的省民营科技企业。公司占地面积35亩，厂房面积28000m²，公司拥有除尘配件生产车间，滤筒生产车间，方框过滤器生产车间，除尘器生产车间，进排气成套生产车间，年产25万多只滤筒，450多台过滤设备。

公司成立5年来，已经成为国内专业的除尘器及滤筒生产商。公司引进先进的生产技术及设备，拥有8条滤筒生产线，除尘器加工采用先进的激光切割，数控折边，夹具组装工艺。产品核心滤材进口自美国、日本、欧洲，与全球顶尖滤材厂商建立了长期的合作关系。公司建立了完善的ISO9001—2008标准的质量体系，严格按照滤筒除尘器标准（JB/T10341—2002），空气过滤器标准（GB/T14295—2008），滤筒企业标准（Q/320281BBY01—2009）。公司产品销往全国各地，已出口五十多个国家和地区，广泛应用于钢铁、石化、电力、造船、航空、集装箱、烟草、橡胶、机械制造、陶瓷、木材加工、汽车、特种粉体、有色金属、矿业、煤炭、冶金等。在上海、广州、西安、哈尔滨等地建立了分支机构以及在北美洲、大洋洲、欧洲、中东、东南亚建立了联络处。

公司致力于环保产业，以“创造更加洁净的生产和生活空间”为宗旨。奉行“互助，平衡，奉献，创新”的企业文化，为国内外客户提供优质的服务。

Jiangyin City Renhe Environmental Equipments Co., Ltd. established its manufacture and technical development base by virtue of South Jiangsu special edge. It is located in Beiguo Industry Park, Jiangyin City, which ranks top among China counties, south to China First Village—Huaxi Village, and North to National Civilization City—Zhangjiagang city. It is only 1 kilometer from Yan-Jiang Highway.

Renhe Filter Co., Ltd. is a manufacturer that specialized in whole service of R&D, designing, manufacturing, sale and erection, maintenance of air intake filter and dust collection products, along with their spare parts. Its floor space is 2.34 hectares, and Plant area is 28000m². There are dust collector plant, dust collection accessories plant, filter cartridge plant, panel filter plant, and intake & exhaust package plant. The annual production capability is 250,000 PCS filter cartridges, and 450 units filter equipment.

Gone through 5 years development, Renhe has become a professional air filter cartridge and dust collector manufacturer. We introduced advanced technology and facility, now there are eight filter cartridge production lines, and the dust collector manufacture uses laser cutting, numerical control bending, fixture assembly craft. The core element—filter media is from USA, Japan, Europe, and has set up

long term cooperation with top filter media vendors. Renhe has completed sophisticated ISO9001-2008 quality system. We produce the dust collector in accordance with JB/T 10341-2002 standard strictly, and filter cartridges in accordance with Q/320281BBY01-2009 standard. Renhe products have been supplied across the country, and exported to more than 50 countries, widely applied in the industries of steel, petrochemical, power plant, shipbuilding, aviation, container, tobacco, rubber, machinofacture, porcelain, wood process, vehicle, special dust, non-ferrous metal, mining, metallurgy, etc.

We have established branch offices in Shanghai, Guangzhou, Xi'an, HaErbin city, and have liaison office in North America, Oceania, European, Middle East, Southeast Asia.

Renhe has dedicated to ENVIRONMENTAL PROTECTION business, with tenentof CREATING THE CLEANER PRODUCING AND LIVING ENVIRONMENT, culture of MUTUAL HELP, BALANCE, DEVOTION, INNOVATION to offer the best service for our clients.



品质保证 QUALITY GUARANTEE



高品质产品/按时发货系统 HIGH QUALITY PRODUCTS DELIVERY ON TIME

• CUSTOMER SATISFACTION 客户满意

认真负责的售后服务
Responsible after-sales service

• DELIVERP ON TIME 按时发货

我们决定达到100%及时发货率。
Our goal is to achieve 100% on-time delivery

• MATERIA SOURECE 材料来源

全球采购
购买前对供应商和材料进行认证
材料到达后质量检测
Global source
Inspected the vendors and material before doing purchase work
Quality inspect after the arrival of the material

• R&D DEPARTMENT 研发部

高效的研发部
高性能产品
High efficient R&D Department
High performance products

• MANUFACTURING 生产

室内生产滤芯
专业的生产人员
Indoor manufacture
Professional workers

• QUALITY 质量

滤芯最后检测
我们的产品通过EN779、
AFTL、上海同济大学测试
Final Inspection
The products have been tested by
AFTL, Shanghai Tongji University,
and manufactured in accordance with
EN779 standard.



不同的工况，按照材质特性及材料的制造工艺，选择相对应的滤材，同时要兼顾最佳的过滤精度，最小的运行压差阻力，传统工艺上，空气流量与过滤精度、过滤压降成反比，高透气度是以牺牲过滤精度及过滤效率为代价的，过滤效率高，往往意味着使用寿命短，人和公司正是致力于改善这种关系，既提高滤芯的过滤效率及精度，同时又保证滤芯的使用寿命不受影响，同时应用新工艺，使滤芯的使用寿命及过滤精度达到非常高的阶段。

Focused on different application, choose matched filter media in accordance with filter media property, manufacture technic and aims to achieve the best filter precision and the lowest DP resistance. Traditionally, the air flow and the filter precision, DP is at reverse ration. High permeability is at the cost of lower filter precision and filter efficiency. High filter efficiency means shorter service life. Renhe Co. is devoted to improving this relationship by increasing the filter efficiency, precision and to guarantee the service life not effected. Meanwhile, Renhe Co. introduce new technic to prolong the service life and improve filter precision.

各种环境下的解决方案 SOLUTIONS FOR ALL ENVIRONMENTS



沙漠 DESERT

炎热、干燥、风大。
Hot and dry with heavy sand blowing.



海上 OFFSHORE

盐腐蚀性、湿度大，有时有大雾。
Salty corrosive moisture, high humidity and occasional heavy fog.



沿海地区 COASTAL

盐腐蚀性、湿度大。
Corrosive moisture and high humidity.



寒带/极地 ARCTIC

空气干燥，雪霜冻容易堵塞滤芯。
Dry air, snow and frost can block filters.



热带 TROPICAL

炎热、湿度大。
Hot and high humidity.



城市 URBAN

污染气体、粉尘多。
Polluted air and high level of particles.



沙漠、沿海地区 DESERT、COASTAL

沙漠沿海地区炎热、盐腐蚀、风沙大、湿度大、偶尔有大雾。
Hot with corrosive moisture, heavy sand blowing, high humidity and occasional heavy fog.

静态过滤器 STATIC FILTER

在动力装置吸气负压下，RH/KL型入口过滤器吸入周围的环境空气，当空气穿过一级、二级、三级（如需要四级）滤芯时，气流中一部分颗粒粗大的尘粒在重力和惯性力的作用下，被一级、二级滤芯拦截，粒度细、密度小的尘粒通过布朗扩散和纤维拦截等综合效应，被三级、四级滤芯拦截在滤材表面，净化后的气体进入净气室内，然后由出风管送至动力装置。

Under the condition of the power set intakes negative pressure,RH/KL Model Filter intakes ambient air. When the air goes through first stage,second stage,third stage (Fourth stage, if required) filter elements, some bigger dust particles in the air will be hindered by first ,second stage filter elements for the sake of gravity and density, smaller low particles will be hold on the third,fourth stage filter elements surface .The filtered air access to clean room,then sent to the power set through exhaust duct.



RH/KL系列空气过滤器特点 RH / KL SERIES AIR FILTER FEATURES

模块设计，采用先进的框式空气过滤结构，标准模块，更换方便,整个系统密闭设计，特制的前置过滤网多级过滤，过滤性能稳定，过滤效率高。应用工况广泛，适用性强不含有动力机构，工作性能稳定。

Module design,the use of advanced air filter structure,standard modul,makes the replacement convenient.The whole system is tight seal.Special prefilter multiple filter panel stage makes the filter performance stable,filter efficiency high,Application is wide,and strong suitability while without power structure .

过滤效率的选择 CHOICE OF FILTER EFFICIENCY

- ◎ 一级先进的预过滤;
- ◎ 二级 (M5-M6) ;
- ◎ 三级 (F9-H10) ;
- ◎ 四级 (H11-H12) ;
- ◎ 处理风量: 100m³/min-10000m³/min可选;
- ◎ 不同过滤元件的配置,适用于各种工况,潮湿、含盐工况特别适用。

- ◎ First stage Advanced Prefilter;
- ◎ Second stage(M5-m6);
- ◎ Third stage(F9-H10);
- ◎ Fourth stage(H11-H12);
- ◎ Air Flow :100m³/min-10000m³/min;
- ◎ Different filter elements configuration can be applied for different working environment,especially for humid,salty environment.

动态过滤器 PULSE FILTER

在动力装置吸气负压下，RH型动态过滤器吸入周围的环境空气，当空气穿过高效滤筒时，气流中一部分颗粒粗大的尘粒在重力和惯性力的作用下，沉降到过滤器的底部，粒度细、密度小的尘粒通过布朗扩散和纤维拦截等综合效应，使粉尘沉积在滤筒的滤料表面，净化后的气体进入净气室内，然后由出风管送至动力装置。在这个过程中，设置高压气体对滤筒进行在线脉冲反吹，清除滤筒表面粉尘，延长滤筒使用寿命！

Under the condition of the power set intakes negative pressure,RH Muodule pulse Filter intakes ambient air. When the air goes through filter elements,some bigger dust particles in the air will be hindered by first ,second stage filter elements for the sake of gravity and density smaller low particles will be hold on the third,fourth stage filter elements surface .The filtered air access to clean room,then sent to the power set through exhaust duct.During this process,set the compressed air to do pulse work on filter cartridge to clean the dust on the filter so that extend their service life.



性能特点 FEATURES

- ◎ 设计了前置过滤网，防止柳絮、树叶及废纸吸入，在特殊工况（如湿度大、粉尘浓度大、黄梅时期等），在过滤器入口设置初中效滤棉，过滤大部分粉尘，减轻滤筒负担，延长使用寿命。
- ◎ 电脑控制的机电一体化产品，安装简单，只需配管、通电、通气既可工作。
- ◎ 在线反吹清灰，滤筒使用寿命长。
- ◎ 阻力低，初始压差≤150Pa。
- ◎ 占地面积小：产品为积木式结构，大型机可采用多层叠放。
- ◎ 维护方便，可在线不停机更换滤筒。
- ◎ Prefilter to prevent leaf,paper, bird to get in. For some special application/high humid,heavy dust concentration condition also add primary/middle efficient filter cotton to hold big dust particle and to protect filter cartridge so that to prolong their service life.
- ◎ Computer control system,convenient in installation,only need to offer duct.electricity.
- ◎ Pluse anti-blowing cleaning to extend filter cartridge service life.
- ◎ Low resistance,initial dp≤150Pa.
- ◎ Small space occupy.
- ◎ Convenient in maintenance the replacement work can be done during operation.

过滤效率的选择 CHOICE OF FILTER EFFICIENCY

- ◎ M5-F9多种过滤级别可选;
- ◎ 处理风量: 100m³/min---10000m³/min可选;
- ◎ 不同过滤元件的配置,适用于各种工况,特别适用于粉尘浓度大等恶劣工况。

- ◎ Filter class:M5 to F9 can be selected;
- ◎ Air Flow :100m³/min-10000m³/min;
- ◎ Different filter elements configuration can be used for various working environment especially for heavy dust concentration application.

动静结合式过滤器 STATIC+PULSE FILTER

在一些转速更快、对过滤效率要求更高的行业，由于单级的动态过滤，过滤精度不够，同时如果单级过滤泄漏，对整个系统造成非常大的影响，在动态过滤后，增加一H11以上的安全过滤器。模块设计、更换方便。整个可系统密闭设计，特制的前置过滤网。二级或三级过滤，过滤性能更可靠。积木式结构，可采用多层叠放。性能优势结合，适用于多种工况。

In some industry that has requirement of faster roll speed, higher filter efficiency, the single pulse filter cannot satisfy filter precision. Meanwhile, if leak happens on single filter, serious effect will be caused on the whole system. Then add above H11 HEPA filter stage behind pulse filter stage. Module design convenient in replacement.



过滤效率的选择 CHOICE OF FILTER EFFICIENCY

- ◎ F9+H11+H13多级过滤，不同级别组合。
- ◎ 处理风量：400m³/min---10000m³/min可选。
- ◎ 不同过滤元件的配置，适用于各种工况；如极重度污染、盐碱含量较高、含油污等成分较大、过滤精度要求较高的行业。

- ◎ Multiple filter class: F9+H11+H13, etc.
- ◎ Air flow: 400m³/min-10000m³/min
- ◎ Different filter elements configuration is applied for various working environment, such as extreme polluted, high salt, oil contamination and higher filtration precision industry.

过滤元件1-方框 FILTER ELEMENTS I - PANEL FILTER



粗效滤芯 PREFILTER

- ◎ 可重复利用的金属铝框；
- ◎ 进口的聚酯合成纤维滤料或金属纤维，初阻力低，可多次清洗再利用；
- ◎ 蓬松的纤维结构，保证了较高的积尘率和更大的容尘量。
- ◎ Reusable aluminum frame;
- ◎ Imported polyester or metal fiber, low initial resistance, and is washable;
- ◎ Loose fiber structure to ensure more dust content and capability.



袋式中效过滤芯 BAG FILTER

- ◎ 消除静电处理的熔喷超细化学纤维复合滤料或玻纤滤料；
- ◎ 滤材具有梯度过滤，使用过程中过滤效率不衰减，精度可靠；
- ◎ 每片滤袋均附有内衬条，可有效保持袋形，避免通风状况下滤袋过度张开而产生过滤“死区”，结构合理，充分利用有效过滤面积；
- ◎ 风阻力低，使用寿命长。
- ◎ Eliminate the superfine chemical fiber or glass fiber caused by antistatic treatment;
- ◎ Filter media is level filtration, the filter efficiency will be maintained and the filter precision is reliable;
- ◎ Each bag gets hold frame to keep the bag from outshaped. Also the reasonable structure makes the best use of the filter area;
- ◎ Low filter resistance, longer service life.



高效框式滤芯 HEPA

- ◎ 金属框架，强度高，适合于风量波动大和间歇运行工况；
- ◎ 抗水型超细玻璃纤维滤材，适合高湿度和大风量环境；
- ◎ 效率稳定，容尘量大，使用寿命长。
- ◎ Metal Frame, good strength, which is suitable for large air flow fluctuation and interval operation environment;
- ◎ Water proof superfine glass fiber filter media, which is suitable for high humid, and large air flow application;
- ◎ Stable filter efficiency, large dust content, longer service life.



大流量高效过滤器 LARGE AIR FLOW HEPA

- ◎ 采用超细玻璃纤维，经折叠成大表面积，再组装框架制成之滤网；
- ◎ 滤材表面积为传统（有隔板式）之二倍，处理风量；
- ◎ 使用寿命长，可减少更换频率，降低成本。
- ◎ Superfine glass fiber, large filter area, which is about 2 times more, large air flow;
- ◎ Longer service life, which can reduce the replacement times, in turn, save cost.

过滤元件2-滤筒 FILTER ELEMENTS 2 - FILTER CARTRIDGE

小孔吊装式 HOLE LOADED



性能表述: PERFORMANCE STATEMENTS:

- 宽褶皱设计;
- 进出风面都有开孔率 > 72% 的金属网防护, 安全的支撑, 且不影响流量;
- 滤材采用精细纤维和含有树脂的纤维制成;
- 特定的加工工艺, 防止滤材过度错位;
- 特殊的滤材固定, 使滤材不与金属护网摩擦;
- 高效过滤;
- 小孔安装, 可采用吊装式或横装式, 灵活设计, 密封性能好;
- 顶部开口, 底部小孔;
- 镀锌防锈金属结构件;
- 橡胶密封圈。
- Wide pleat depth;
- Inner & Outer Liner;
- Filter Media: Superfine fiber and fiber contains resin;
- Special manufacture technical to prevent filter media from extremely move;
- Special filter media fix to keep filter media and metal liner from crossing each other;
- High filter efficiency;
- Bolt installation can be top loaded, horizontal loaded, flexible design, good seal performance;
- Top open, bottom close with hole;
- Galvanized anti-corrosion metal construction;
- Rubber gasket.



三爪锁扣 TWIST-LOCK

性能表述: PERFORMANCE STATEMENTS

- 宽褶皱设计;
- 进出风面都有开孔率 > 72% 的金属网防护, 安全的支撑, 且不影响流量;
- 滤材采用精细纤维和含有树脂的纤维制成;
- 特定的加工工艺, 防止滤材过度错位;
- 特殊的滤材固定, 使滤材不与金属护网摩擦;
- 高效过滤;
- 旋转锁口安装, 滤筒拆换方便;
- 锁扣设计, 密封性能好;
- 顶部开口, 底部封底, 带减缩安装孔;
- 镀锌防锈金属结构件/特制的不锈钢金属结构件;
- 橡胶密封。
- Wide pleat depth;
- Inner & Outer Liner;
- Filter Media: Superfine fiber and fiber contains resin;
- Special manufacture technical to prevent filter media from extremely move;
- Special filter media fix to keep filter media and metal liner from crossing each other;
- High filter efficiency;
- Twist-lock installation method
- Good sealness performance
- Top open/Bottom close with hole
- Galvanized anti-corrosion metal construction/Stainless steel metal construction
- Rubber gasket



卡盘式 SQUARE CAP

性能表述: PERFORMANCE STATEMENTS

- 宽褶皱设计;
- 进出风面都有开孔率 > 72% 的金属网防护, 安全的支撑, 且不影响流量;
- 滤材采用精细纤维和含有树脂的纤维制成;
- 特定的加工工艺, 防止滤材过度错位;
- 特殊的滤材固定, 使滤材不与金属护网摩擦;
- 高效过滤;
- 顶部开口, 底部封底;
- 卡盘式设计, 方便安装;
- 滤筒竖装, 清灰效果好;
- 镀锌防锈金属结构/特制的不锈钢金属结构件;
- 橡胶密封。
- Wide pleat depth;
- Inner & Outer Liner;
- Filter Media: Superfine fiber and fiber contains resin;
- Special manufacture technical to prevent filter media from extremely move;
- Special filter media fix to keep filter media and metal liner from crossing each other;
- High filter efficiency;
- Top open / Bottom Close;
- Square cap design makes installation very convenient;
- Vertical loaded filter cartridge makes the dust cleaning efficiency good;
- Galvanized anti-corrosion metal construction / Stainless steel configuration;
- Rubber gasket .



圆锥/圆柱配合使用型 CONICAL & CYLINDRICAL FILTER CARTRIDGES

性能表述: PERFORMANCE STATEMENTS

- 宽褶皱设计;
- 进出风面都有开孔率 > 72% 的金属网防护, 安全的支撑, 且不影响流量;
- 滤材采用精细纤维和含有树脂的纤维制成;
- 特定的加工工艺, 防止滤材过度错位;
- 特殊的滤材固定, 使滤材不与金属护网摩擦;
- 高效过滤;
- 锥形设计, 过滤面积大;
- 卧式安装, 维护方便;
- 顶部开口, 底部开口/底部封底, 带减缩安装孔;
- 镀锌防锈金属结构件;
- 橡胶密封。
- Wide pleat depth;
- Inner & Outer Liner;
- Filter Media: Superfine fiber and fiber contains resin;
- Special manufacture technical to prevent filter media from extremely move;
- Special filter media fix to keep filter media and metal liner from crossing each other;
- High filter efficiency;
- Conical design, large air flow;
- Horizontal installation;
- Top open, bottom fully close or close with hole;
- Galvanized anti-corrosion metal construction;
- Rubber gasket .





滤材 FILTER MEDIA

描述 DESCRIPTION			规格 SPECIFICATION			化学性质 CHEMICAL PROPERTIES				
名字 Name	材料 Material	后处理 Post-processing	克重(gram/m ²) Weight gram/m ²	厚度(mm) Thickness(mm)	最高温度℃ Maximum temperature ℃	透气度 Permeability	防油防水 Oil water proof	防水 Water proof	酸性 Acid	碱性 Alkali
RH-001	聚酯20%纤维80% 20% polyester+80% cellulose		130	0.64	80	★	★	★	★	★
RH-002	聚酯15%纤维85% 15% polyester+85% cellulose		124	0.7	80	★	★	★	★	★
RH-007	纤维100% 100% cellulose		118	0.79	80	★★★	—	—	★	★
RH-010	聚酯90%纤维10% 90% polyester+10% cellulose		113	0.43	80	★	★	★★	★	★★
RH-019NWFR	聚酯15%纤维85% 15% polyester+85% cellulose	纳米阻燃 Nano flame retardant	137	0.79	80	★	★★	★★	★	★
RH-020NW	聚酯15%纤维85% 15% polyester+85% cellulose	纳米 Nano	132	0.84	80	★	★★	★★	★	★
RH-214	聚酯100% 100% polyester		170	0.54	80	★★	★	★	★	★★
RH-316	聚酯100% 100% polyester	新型覆膜 New type of coated	135	0.58	110	★★	—	★★★	★★	★★

—无, ★一般, ★★好, ★★★很好 —NO, ★ordinary, ★★good, ★★★very good

选型 MODELS

滤筒型号 Cartridge model	上盖外径 (mm) Top cap OD	底盖外径 Bottom cap OD	安装小孔 (mm) Installation hole	高度(mm) Height	过滤面积(m ²) Filter area
RH/Z3266	Φ324	Φ324	Φ14/25	660	18-21
RH/Z3275	Φ324	Φ324	Φ14/25	750	20-24
RH/Z3290	Φ324	Φ324	Φ14/25	900	28-31
RH/Z32100	Φ324	Φ324	Φ14/25	1000	28-31
RH/Z3266F	406X364XΦ324	Φ324	/	660	18-21
RH/P3275F	406X364XΦ324	Φ324	/	750	20-24
RH/Z32100F	406x364xΦ324	Φ324	/	1000	28-31
RH/Z403266	Φ406	Φ324	/	660	18-23
RH/Z443266	Φ445	Φ324	/	660	18-23

注: 以上数据为进气过滤常用规格, 可按客户需求设计开发。

NOTE: Above data is the standard filter cartridge specification also the products can be customized in accordance clients' requirement

可配套使用于 APPLICATION

1. 各种类型的空气压缩机;
2. 高炉鼓风机;
3. 制氧装置压缩机入口;
4. 各种容量的燃气轮机及柴油机;
5. 化纤纺织及电子工业的空调送风系统;
6. 对空气含尘量要求较高的集中空调系统;
7. 烟草、造纸工业的空调送风系统。

1. Various types of air compressor;
2. Blast furnace blower of the Steel Plant;
3. Air liquid compressor inlet;
4. Gas turbine;
5. Air conditioner system;
6. Tobacco, paper industry.