



Solutions for all environments



提高能效 降低成本

进气过滤 INTAKE AIR FILTERS



KOIN
Your Best Cartridge Filter
Manufacturer

Mail: sales@koinfilter.com
www.koinfilter.com

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（如需要有四级）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，然后由出风管送出至动力装置。

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

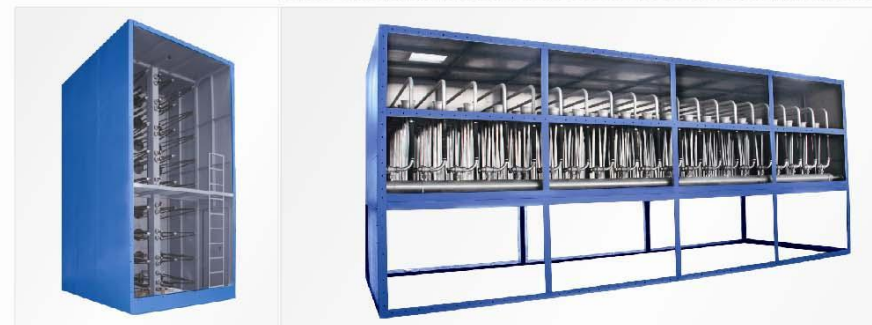
- ◎ 一级先进的预过滤;
- ◎ 二级 (M5-M6) ;
- ◎ 三级 (F9-H10) ;
- ◎ 四级 (H11-H12) ;
- ◎ 处理风量: 100m³/min-10000m³/min可选;
- ◎ 不同过滤元件的配置,适用于各种工况,潮湿、含盐工况特别适用。

- ◎ 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，然后由出风管送出至动力装置。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—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.



大风量高效过滤器 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.



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 .



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;
- 旋转锁扣安装, 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



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 .



滤筒安装方式

FILTER CARTRIDGE LOADED METHODS

锥形和圆形滤筒 CONICAL AND CYLINDRICAL FILTER CARTRIDGE



- ① 宽褶皱设计
- ① 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；
- ① 滤材采用精细纤维和含有树脂的纤维制成；
- ① 特定的加工工艺，防止滤材过度错位；
- ① 特殊的滤材固定，使滤材不与金属护网摩擦；
- ① 高效过滤；
- ① 大通风量设计；
- ① 顶部开口，底部开口/底部封底，带减缩安装孔；
- ① 镀锌防锈金属结构件；
- ① 橡胶密封。



- ① Wide pleat depth.
- ① Inner & Outer Liner.
- ① Filter Media: Superfine fiber and fiber contains resin.
- ① Special manufacture technical to prevent filter media from extremely move.
- ① Special filter media fix to keep filter media and metal liner from crossing each other.
- ① High filter efficiency.
- ① Large air flow.
- ① Top open, bottom close with hole.
- ① Galvanized anti-corrosion metal construction.
- ① Rubber gasket.

圆柱 CYLINDRICAL



- ① 宽褶皱设计
- ① 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；
- ① 滤材采用精细纤维和含有树脂的纤维制成；
- ① 特定的加工工艺，防止滤材过度错位；
- ① 特殊的滤材固定，使滤材不与金属护网摩擦；
- ① 高效过滤；
- ① 大通风量设计；
- ① 顶部开口，底部开口/底部封底，带减缩安装孔；
- ① 镀锌防锈金属结构件；
- ① 橡胶密封。
- ① Wide pleat depth.
- ① Inner & Outer Liner.
- ① Filter Media: Superfine fiber and fiber contains resin.
- ① Special manufacture technical to prevent filter media from extremely move.
- ① Special filter media fix to keep filter media and metal liner from crossing each other.
- ① High filter efficiency.
- ① Large air flow.
- ① Top open, bottom close with hole.
- ① Galvanized anti-corrosion metal construction.
- ① Rubber gasket.

卡盘式 SQUARE CAP



- ① 滑杆式安装，维护方便快捷；
- ① 顶部开口，底部封底；
- ① 镀锌防锈金属结构件；
- ① 橡胶密封圈。
- ① Square cap pole installation method which makes the maintenance convenient and fast.
- ① Top open/Bottom close.
- ① Galvanized anticorrosion metal construction.
- ① Rubber gasket.

螺旋卡口 TWIST-LOCK

- ① 螺旋设计增加强度；
- ① 外保护带适用于清洁式脉冲力大的工况。
- ① Twist-lock design make the strength better.
- ① Outer strap is suitable for large pulse pressure application.



三耳/四耳 THREE-LUG/FOUR-LUG

- ① 三耳/四耳设计，可采用下装式或上装式安装方便快捷；
- ① 顶部开口，底部封底；
- ① 镀锌防锈金属结构件；
- ① 橡胶密封圈。（上，下可选）
- ① Three-lug/Four lug design, Top loaded/bottom loaded operations.
- ① Top open/Bottom Close.
- ① Galvanized anti-corrosion metal construction.
- ① Rubber gasket (Top only, Top/Bottom optional).



螺纹式 THREAD TYPE

- ① 螺纹式设计，采用旋转安装，安装方便快捷；
- ① 顶部开口，底部封底；
- ① 镀锌防锈金属结构件（可选不锈钢）；
- ① 橡胶密封圈。
- ① Thread installation design;
- ① Top open/Bottom close;
- ① Galvanized anti-corrosion metal construction (Stainlesssteel optional);
- ① Rubber gasket.



滤筒安装方式 FILTER CARTRIDGE LOADED METHODS

PU密封安装滤筒 PU CAP



- ◎ PU滤筒设计，滤材间隙均匀；
- ◎ 浅折距设计，易清灰；
- ◎ 两端端盖采用聚氨酯技术与滤材连接；
- ◎ 内有防腐处理保护网；
- ◎ 易于清灰、安装维修方便、使用寿命长；
- ◎ 应用于水泥行业、搅拌站物料输送、主机室除尘净化。
- ◎ PU Cap design, well-distributed pleats.
- ◎ Shallow pleat depth, easily dust cleaning.
- ◎ The connection between filter media and cap is polyurethane technology.
- ◎ Inner liner: Anti-corrosion.
- ◎ Good dust cleaning efficiency, convenient in installation and maintenance, longer service life.
- ◎ Applied for cement industry, dust convey, main room filtration.

梅花盖 MAY CAP



- ◎ 梅花盖设计，采用吊装式，快速定位，密封效果好；
- ◎ 顶部开口，底部小孔；
- ◎ 镀锌防锈金属结构件；
- ◎ 橡胶密封圈。
- ◎ May cap design, vertical loaded, good sealness performance;
- ◎ Top open/Bottom close with hole;
- ◎ Galvanized anti-corrosion metal construction;
- ◎ Rubber gasket.

板式过滤器 PANEL FILTER



- ◎ 增加了200%以上的过滤面积；
- ◎ 极易清灰的槽式设计；
- ◎ 耐破强度高；
- ◎ 安装、拆卸方便；
- ◎ 可水洗；
- ◎ 有效面积利用率高。
- ◎ Filter area: Increased by 200% filter area;
- ◎ Pleat design: Easy to clean the dust;
- ◎ Strong burst resistance;
- ◎ Convenient in installation and discharge;
- ◎ Washable;
- ◎ Make the best use of the filter area.

替代布袋式滤筒 PLEATED BAG FILTER-TO REPLACE BAG FILTER



- ◎ 浅折距设计，容易清灰；
- ◎ 高效过滤；
- ◎ 过滤面积为相同布袋的3倍；
- ◎ 顶部开口，底部封底；
- ◎ 镀锌防锈金属结构件；
- ◎ 法兰多种安装方式；
- ◎ 橡胶密封圈（上端盖上下端密封，可选）。
- ◎ Shallow pleat depth, the dust is easy to be filtered;
- ◎ High filter efficiency;
- ◎ The filter area is three times more than bag filter;
- ◎ Top open/Bottom close;
- ◎ Galvanized anti-corrosion metal construction;
- ◎ Many types of flange design installation methods;
- ◎ Rubber gasket (Top gasket only/Top & Bottom gasket, optional).

布袋 BAG FILTER



扁布袋 FLAT BAG FILTER

- ◎ 极易清灰的设计；
- ◎ 耐破强度高；
- ◎ 安装、拆卸方便；
- ◎ 根据现场不同工况可采用侧插式或者上插式。
- ◎ Easy to clean the dust;
- ◎ Strong mullen burst;
- ◎ Convenient in installation and replace;
- ◎ Loaded method: Side loaded, Top loaded according to the application;



覆膜滤袋 PTFE MEMBRANE BAG FILTER

基材采用高品质的涤纶、诺梅克斯、P84、PPS等材料，作热熔焊和PTFE高效覆膜处理，过滤级别可达H11-H13。

Basic media: high-quality polyester, Nomex, P84, the PPS, and other materials for heat fused and efficient PTFE-coated handle, the level of filtering up to the H11-of H13.



高温滤袋 HIGH-TEMPERATURE BAG FILTER

- ◎ 耐温：150℃，200~250℃/280℃
- ◎ High Temperature resistance: 150 °C. 200 ~ 250 °C / 280 °C



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.