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江阴市人和环保设备有限公司

Jiangyinshi Renhe Environmental Equipments Co.,Ltd

滤筒备件综合产品手册

Integrated Product Brochure—for the spare part of the dust collector



自洁式空气过滤器配套滤筒

Self-cleaning air filter cartridge

标准结构特点:

复合纤维/复合纤维 + 玻璃纤维混合过滤介质

性能表述:

- ◎宽褶距设计
- ◎高效过滤
- ◎80%木浆纤维+20%聚酯纤维
- ◎顶部开口，底部封底，带减缩安装孔
- ◎镀锌防锈金属结构件
- ◎橡胶密封
- ◎南方的潮湿天气我们选用大风量，防潮湿滤材
- ◎在北方的风沙天气室外粉尘量较大的我们设计了二级过滤的过滤模式防雨棚或粗效过滤棉

应用场合:

制氧厂、高炉鼓风、空压站、动力厂等入口过滤，
适用各大主机厂配套。
可替代DONALDSON、GE、AAF、NORDIC等公司产品。



Features of Standard construction:

cellulose/ cellulose + fiber glass synthetic material

Performance Description:

- ◎Wider pleat width
- ◎High filtration efficiency
- ◎Filter Material: 80%Cellulose+20%Polyester
- ◎Top open, bottom close with deflating bolt hole
- ◎Galvanized stainless metal configuration
- ◎Rubber seal
- ◎We choose the moisture-proof material for the wet climate environment ,also the material is suit for the large air flow design.
- ◎We choose the secondary filtration model for heavy dust density in the windy sand climate environment. Shower-proof felt and pre-filtration cloth needed in the pre-filtration

Application field:

oxygen plant, stove blower、air compressor station、power plant(air intake filtration) , suit for the supported host machine.
Can replace the relevant products of DONALDSON、GE、AAF、NORDIC.

滤筒型号 Cartridge Model	上盖外径 Topend Cap OD mm	底盖外径 bottom End Cap OD mm	上盖内径 Top end Cap ID mm	安装小孔 bolt hole mm	高度 Height mm	过滤面积 Filtration area m²	过滤精度 Filtration precision μ m	额定流量 rated air flow m³/h	初阻力 initial resistance Pa
RH/Z3266	324	324	213	14	660	21	1-2	800	80-100
RH/Z3275	324	324	213	14	750	24	1-2	900	80-100
RH/Z32100	324	324	213	14	1000	31	1-2	1200	80-100

注：初阻力是指洁净空气测试的滤筒阻力，不含设备阻力
Remark: initial resistance means the filtration resistance tested in clean air condition. exclude the resistance of the machine.

涂装房专用滤筒 Painting room Air Filter Cartridge

标准结构特点:

复合纤维/复合纤维+玻璃纤维混合过滤介质

性能表述:

- ◎宽褶距设计
- ◎高效过滤
- ◎80%木聚纤维+20%聚酯纤维过滤材料
- ◎非常好的防潮湿性能
- ◎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

滤材的选择:

- ◎RH1 复合纤维滤材
- ◎RH1A 耐阻燃复合纤维滤材
- ◎RH12H 复合纤维+玻璃纤维混合

应用场合:

广泛应用于造船、大型钢构、铸造等行业的涂装车间。
可替代DONALDSON等公司产品, 适用各大除尘器厂家配套使用。



Features of Standard construction:

cellulose/cellulose+fiber glass synthetic material

Performance Description:

- ◎Wider pleat width
- ◎High filtration efficiency
- ◎Filter Material: 80% Cellulose+20% Polyester
- ◎Excellent ability for moisture protection
- ◎Top open, bottom open/bottom close with deflating bolt hole
- ◎Galvanized stainless metal configuration
- ◎Rubber seal

Selection of Material:

- ◎RH1 Cellulose material
- ◎RH1A Cellulose+ Flame Retardant material
- ◎RH12H Cellulose +fiber glass synthetic material

Application field:

Widely used in the painting workshop of ship-building, casting, large steel structure.



滤筒型号 Cartridge Model	过滤介质 filter MATERIAL	上盖外径 Top end CoP OD mm	底盖外径 bottom end Cap OD mm	上盖内径 Top end Cap ID mm	安装小孔 bolt hole mm	高度 Height mm	过滤面积 Filtration area m ²
RH/Z3266	RH1/RH1A/RH12A	324	324	213	14mm/--	660	21
RH/Z3566	RH1/RH1A/RH12A	352	352	241	16mm/--	660	23

标准结构特点:

聚酯纤维过滤介质

性能表述:

- ◎易清灰的褶皱设计
- ◎防静电处理
- ◎高效过滤
- ◎阻燃处理
- ◎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

滤材的选择:

- ◎RH2 标准聚酯纤维(白色、黑色可选)
- ◎RH2A 耐阻燃处理聚酯纤维
- ◎RH2B 防油防水处理聚酯纤维
- ◎RH2CD 防静电处理聚酯纤维
- ◎RH2F 覆膜处理聚酯纤维

应用场合:

广泛应用于造船、大型钢构、机车、集装箱等行业的钢板预处理线。
可替代DONALDSON、NORDIC等公司产品, 并可为各大除尘器厂家配套生产。



Features of Standard construction:

Polyester

Performance Description:

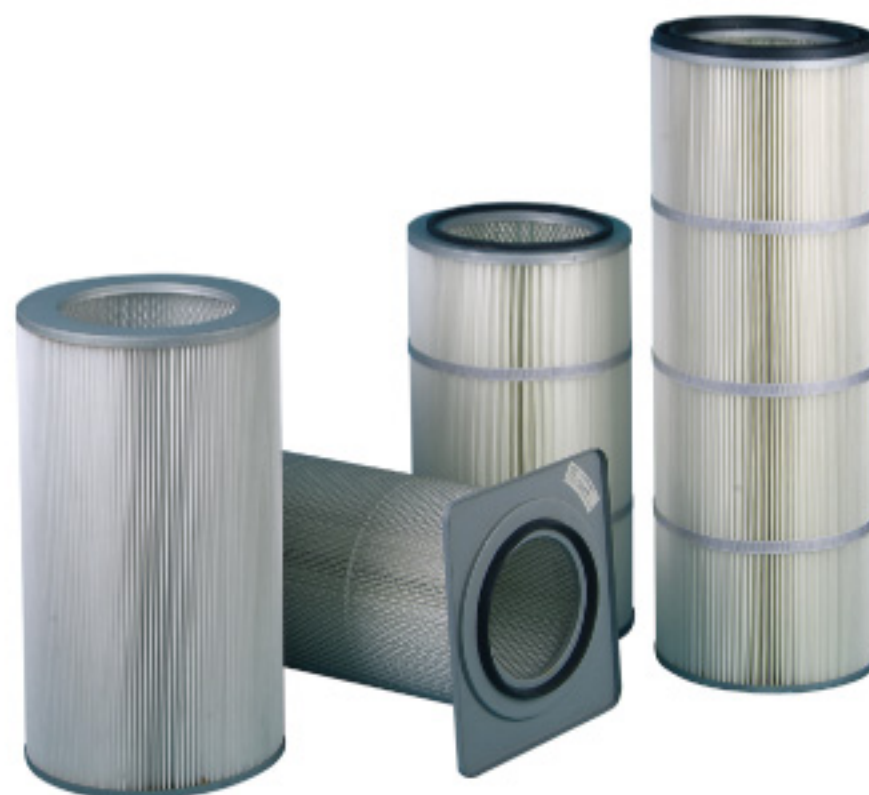
- ◎Suitable Pleat width design for easy to self-clean
- ◎Antistatic processing
- ◎High filtration efficiency
- ◎Flame retardant processing
- ◎Top open, bottom open/bottom close with deflating bolt hole
- ◎Galvanized stainless metal configuration
- ◎Rubber seal

Selection of Material:

- ◎RH2 Polyester(white ,black for choose)_
- ◎RH2A Polyester+ Flame Retardant
- ◎RH2B Polyester+ oil 、 water resistant
- ◎RH2CD Polyester+ Antistatic
- ◎RH2F Polyester+ PTFE membrane

Application field:

steel plate pre-processing for shipbuilding ,large steel structure, automobile, container .
Used to replace relevant products of DONALDSON、NORDIC. Can be used in every dust collectors of the dust collector manufacturer.



滤筒型号 Cartridge Model	过滤介质 filter MATERIAL	上盖外径 Top end Cap OD mm	底盖外径 bottom end Cap OD mm	上盖内径 Top end Cap ID mm	安装小孔 bolt hole mm	高度 Height mm	过滤面积 Filtration area m ²
RH/P3266	RH2/RH2A/RH2B/RH2CD/ RH2F	324	324	213	14	660	9.4
RH/P3566	RH2/RH2A/RH2B/RH2CD RH2F	352	352	241	16	660	10.1
Square Cap RH(Z/P)/F3266	RH2/RH2A/RH2B/RH2CD/ RH2F	406 × 364 × φ324	324	213	/	660	9.4
RH/P35100	RH2/RH2A/RH2B/RH2CD/ RH2F	352	352	241	16	1000	15

大型型材、钢板预处理线专用滤筒

Filter cartridge for steel plate pre-processing



特涂行业真空吸砂机专用滤筒

Filter cartridge for vacuum cleaner in special painting field

标准结构特点：
聚酯纤维过滤介质

- 性能表述：
- ◎宽褶距设计
 - ◎高效过滤
 - ◎易清灰设计
 - ◎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
 - ◎法兰多种安装形式
 - ◎超强的耐压能力
 - ◎滤材为耐磨及其他后处理滤材可水洗

应用场合：
反复使用，广泛应用于造船、大型钢构、集装箱等特涂行业，适用于各大真空吸砂机生产商配套。

Features of Standard construction：
Polyester

- Performance Description：
- ◎Wider pleat width
 - ◎High filter efficiency
 - ◎Suitable design for easy to self-clean
 - ◎Top open, bottom open/bottom close with deflating bolt hole
 - ◎Galvanized stainless metal configuration
 - ◎Rubber seal
 - ◎Various ways of flange installation
 - ◎Superior ability of pressive strength
 - ◎Good abrasion resistance and other after-treatment of filter material
 - ◎Washable filter media ,can be used many times

Application field:
Widely used in the special painting field of shipbuilding, large steel structure, container. Can be used in dust collectors of vacuum cleaning system.



- Selection of Material：
- ◎RH2 Polyester(white ,black for choose)_
 - ◎RH2A Polyester+ Flame Retardant
 - ◎RH2B Polyester+ oil 、 water resistant
 - ◎RH2CD Polyester+ Antistatic
 - ◎RH2F Polyester+ PTFE membrane

滤筒型号 Cartridge Model	上盖外径 Top end CaP OD mm	底盖外径 bottom end Cap OD mm	上盖内径 Top end Cap ID mm	安装小孔 bolt hole mm	高 度 Height mm	过滤面积 Filtration area m²	安装方式 Installation way
RH/P3292	324	324	213	25	924	16	下装式 Bottom insertable
RH/P32100 (third ear、four ear)	324	324	213	/	1000	16	上装式 Top insertable
RH/P3530100 (conical)	352	305	241	/	1000	17	上装式 Top insertable
RH/P40145	406	406	292	/	1450	28	上装式 Top insertable

焊接烟尘专用滤筒

Welding Smoking Air Filter Cartridge

标准结构特点：

覆膜处理聚酯纤维/耐阻燃型复合纤维

性能表述：

- ◎宽褶距设计
- ◎超高效过滤
- ◎顶部开口，底部开口/底部封底，带减缩安装孔
- ◎特殊的阻燃性能
- ◎镀锌防锈金属结构件
- ◎橡胶密封

滤材的选择：

- ◎RH1A 耐阻燃复合纤维滤材
- ◎RH2F 覆膜处理聚酯纤维

应用场合：

大型钢构、造船、汽车、金属加工等行业的等离子、激光切割、焊接烟尘等工况。
可替代DONALDSON、KETTER、NEDERMAN、CORAL等公司产品。



Features of Standard construction:

Membrane polyester/Flame Retardant cellulose

Performance Description:

- ◎Wider pleat width
- ◎Superior high filter efficiency
- ◎Top open, bottom open /bottom close with deflating bolt hole
- ◎Special ability of flame retardant
- ◎Galvanized stainless metal configuration
- ◎Rubber seal

Selection of Material:

- ◎RH1A Flame retardant cellulose media
- ◎RH2F Polyester +PTFE membrane media

Application field:

plasma, laser cutting, welding smoking for shipbuilding , large steel structure, automobile, metal processing.
Used to replace relevant products of DONALDSON、KETTER、NEDERMAN、CORAL.



滤筒型号 Cartridge Model	过滤介质 filter MATERIAL	上盖外径 Top end CoP OD mm	底盖外径 bottom end Cap OD mm	上盖内径 Top end Cap ID mm	安装小孔 bolt hole mm	高 度 Height mm	过滤面积 Filtration area m ²
RH/Z3266Fr	RH1A	324	324	213	14mm/--	660	21
RH/Z3566Fr	RH1A	352	352	241	16mm/--	660	23
RH/F3266	RH2F	324	324	213	14mm/--	660	9.4
RH/F3566	RH2F	352	352	241	16mm/--	660	10.1

侧装卡盘式滤筒

Square chuck air filter cartridge

除尘器的安装方式有很多种类，有上装式、下装式、侧装式等，但使用过程中，由于安装方式的不同，上装式拆卸非常麻烦，必须拆除顶盖、喷吹管等备件，且上部必须具有足够的空间；下装式，由于工作人员必须到除尘室内拆卸滤筒，工人的工作环境非常恶劣。我公司根据此类工况，对除尘器的安装方式进行改进，采用侧装式。

There are many ways of installation for dust collector: Top insertable, bottom insertable , horizontal insertable. But when do installing, we find top indertable is very complex, we need to remove the parts such as top roof , Venturi tube . Also there should be enough space for the top area when doing the top insertable installation. Bottom insertable , as the workers have to go into the dust collector room to remove the cartridges, and the working environment is very bad. According to the situation, we improved the installation way ,we use the horizontal insertable.

标准结构特点:

复合纤维/聚酯

性能表述:

- 宽褶距设计
- 高效过滤
- 顶部开口，底部封底
- 镀锌防锈金属结构件
- 橡胶密封

滤材的选择:

- RH1 复合纤维滤材
- RH1A 耐阻燃复合纤维滤材
- RH2 标准聚酯纤维（白色、黑色可选）
- RH2A 耐阻燃处理聚酯纤维
- RH2B 防油防水处理聚酯纤维
- RH2CD 防静电处理聚酯纤维
- RH2F 覆膜处理聚酯纤维

应用场合:

广泛应用于电子、轮胎、橡胶、电池等行业。
可替代FARR TENKAY、GE、NORDIC等公司产品。

Features of Standard construction:

Cellulose/Polyester

Performance Description:

- Wider pleat width
- High filtration efficiency
- Top open, bottom close
- Galvanized stainless metal configuration
- Rubber seal

Selection of Material:

- RH1 cellulose
- RH1A Cellulose+ Flame Retardant
- RH2 Polyester (white, black color for choose)
- RH2A Polyester+ Flame Retardant
- RH2B Polyester+ oil, water resistant
- RH2CD Polyester+ Antistatic
- RH2F Polyester+ PTFE membrane

Application field:

Widely used in the electronical, type, rubber, battery.
Used to replace relevant product of FARR、TENKAY、GE、NORDIC.



滤筒型号 Cartridge Model	过滤介质 FILTER MATERIAL	上盖外径 Top end CoP OD mm	底盖外径 bottom end Cap OD mm	上盖内径 Top end Cap ID mm	高度 Height mm	过滤面积 Filtration area m²
RH/Z3266F	RH1/RH1A	406×364×φ324	324	213	660	21
RH/P3266F	RH2/RH2A/RH2B/RH2CD/RH2F	406×364×φ324	324	213	660	9.4

为适应不同的工况，多变的粉尘介质，可选用以下各种性能材料加工的滤筒

You can also choose the cartridge made of various different material due to the different application fields and dust particle.

耐阻燃滤筒:

Flame Retardant Air Filter Cartridge

标准结构特点:

耐阻燃型复合纤维过滤介质

性能表述:

- ◎宽褶距设计
- ◎80%木浆纤维+20%聚酯纤维过滤材料
- ◎欧洲标准的防火等级
- ◎高效过滤
- ◎镀锌防锈金属结构件
- ◎橡胶密封

Features of Standard construction:

Cellulose+ Flame retardant material

Performance Description:

- ◎wider pleat width
- ◎Filter Material: 80%Cellulose+20%Polyester
- ◎Flame Retardant grade for EU Standard
- ◎high filtration efficiency
- ◎Galvanized stainless metal configuration
- ◎Rubber seall

防油防水滤筒:

Oil、Water Resistant Air Filter Cartridge

标准结构特点:

聚酯纤维过滤介质

性能表述:

- ◎滤材表面覆盖一层溶剂
- ◎滤材具有抗油、水性能
- ◎粉尘不易粘附滤材表面
- ◎脉冲清灰更容易
- ◎水洗次数可更多次

Features of Standard construction:

Cellulose+ Flame retardant material

Performance Description:

- ◎Membrane on the surface of the filter material
- ◎Performance in oil, water resistance
- ◎Dust is hard to adhere the filter material
- ◎Much easier to self-clean
- ◎More times for water wash

防静电滤筒:

Antistatic Air Filter Cartridge

标准结构特点:

聚酯纤维过滤介质

性能表述:

- ◎滤材表面覆有一层极薄的导电铝箔或聚酯纤维与碳素纤维混纺
- ◎滤材透气度不被破坏
- ◎避免静电跳火产生粉尘爆炸
- ◎避免静电吸引产生的粉尘黏附

Features of Standard construction:

Polyester material

Performance Description:

- ◎Electric aluminum or polyester blending with carbon fiber on the surface of material permeability of the filter material not easy to be destroyed
- ◎avoid the explode occurred by electrostatic spark
- ◎avoid the adhesion. Occurred by electrostatic

覆膜滤筒:

PTFE Membrane Air Filter Cartridge

标准结构特点:

聚酯纤维过滤介质

性能表述:

- ◎非常好的表面过滤
- ◎极佳的粉尘剥离性能，提高流通气量，降低运行阻力
- ◎延长使用寿命，减少清灰频率，节省维修保养费用。
- ◎可以采用高气布比，由于滤材的刚性度好，膜的过滤效率高，即使气布比较高，滤材的稳定性能还是很好
- ◎滤材的防水性能好，在潮湿的环境中特别适用
- ◎在无油、无火的环境中，无需预涂，即可达到非常高的过滤效率。

Features of Standard construction:

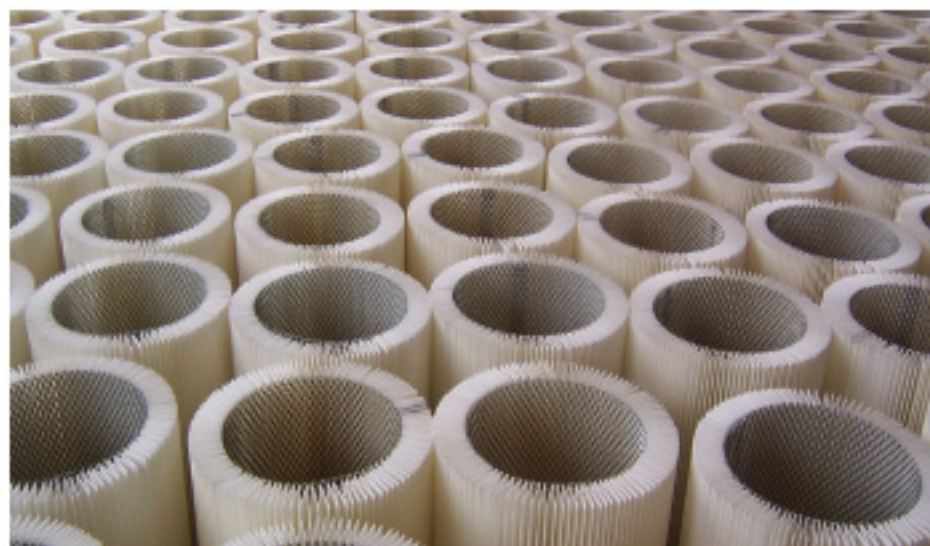
Polyester Material

Performance Description:

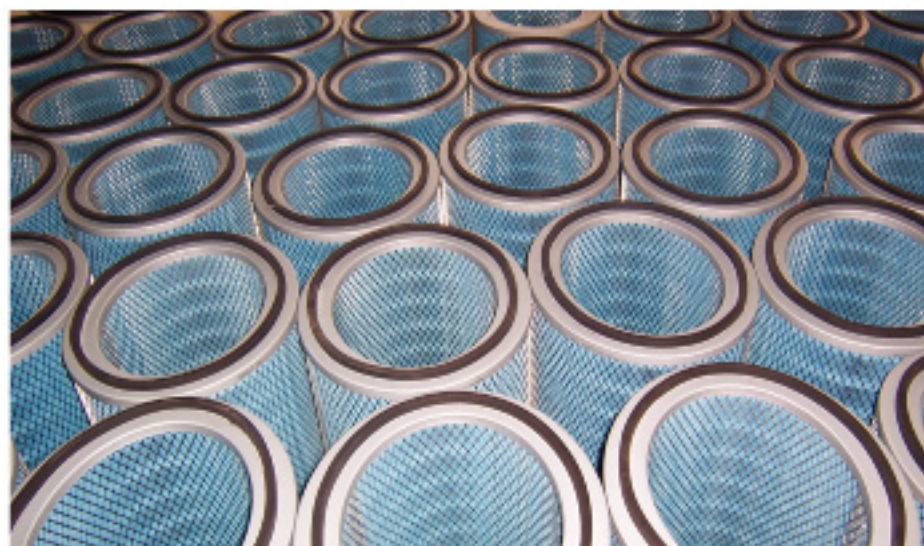
- ◎Excellent surface filtration
- ◎Excellent ability of dust cake separation , enhance air flow ,reduce operation resistance
- ◎Extend life-span. decrease the frequency of dust cleaning, save the cost of maintenance
- ◎As material has good stiffness and membrane' s high filtration efficiency. even filtration wind speed. The stability of the material is still excellent.
- ◎Excellent water proof performance, also has a special performance in the moist environment.
- ◎In the environment without oil and fire. The filter cartridge can get high filtration efficiency dispense with dust cake.



批量滤筒集锦： A collection of filter cartridge



覆膜滤筒：
PTFE Membrane Air Filter Cartridge



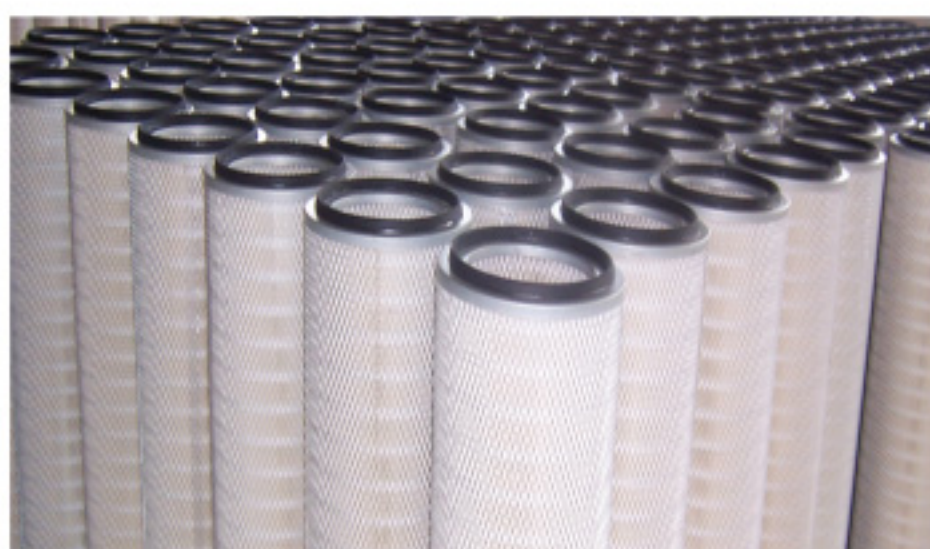
耐阻燃滤筒：
Flame Retardant Air Filter Cartridge



替代德国MANN C33920/3滤筒
Replacement MANN(German) C33920/3 air filter cartridge



涂装房专用滤筒
Painting room Air Filter Cartridge



自洁式空气过滤器配套滤筒
Self-cleaning air filter cartridge



防油防水滤筒
Oil, Water Resistant Air Filter Cartridge