menred

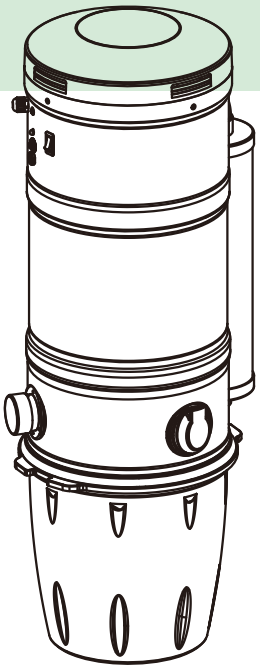


CVS...

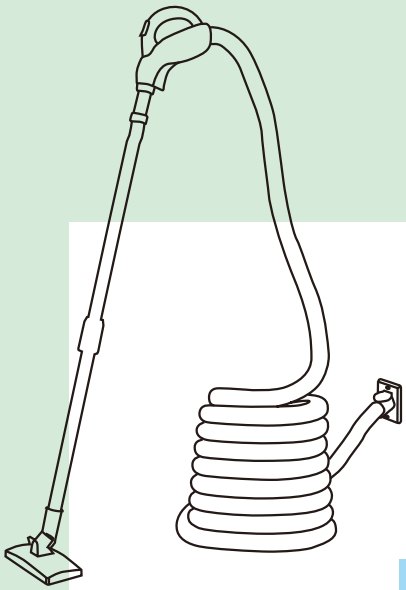
air

CENTRAL VACUUM SYSTEM

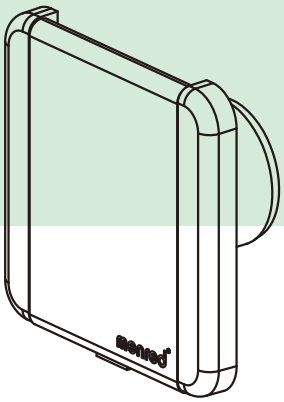
中央吸尘系统



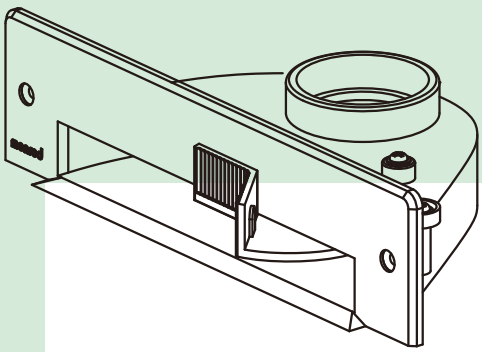
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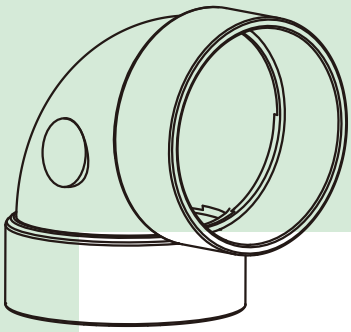
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12

## 现代人的90%以上时间都是在室内度过…

### In modern times, people spend more than 90% time in the room...

研究表明在家庭和办公区内的空气污染程度约是室外的100倍，病毒及细菌可以通过室内细小灰尘作为载体经过呼吸、皮肤以及粘膜进入我们的身体。
我们目前可以知道65%到75%的感染和过敏症几乎都与室内灰尘有关…

尽管发病率居高不下的原因有很多种，但飘浮尘和细菌也是诱发加重呼吸系统疾病的重要原因。

因此，健康住宅必需安装高效的中央吸尘系统，及时消除室内的灰尘及吸附在灰尘上的细菌。

中央吸尘系统由吸尘主机、管网、吸尘插口、吸尘组件组成。吸尘主机置于建筑物的机房、阳台、车库、设备间内（或室外）。主机通过网管与每个房间的吸口相连接，在进行清洁工作时将吸尘组件插入吸口，有害气体与灰尘通过真空吸尘管道，将室内且有害的灰尘吸到大容量的垃圾袋中。

在欧洲和美国，中央吸尘系统已有50年的生产历史，大规模使用也有30－40年的历史。目前其在别墅的使用率上90%左右，在公寓的使用率是55%左右。中央吸尘系统被认为是新住宅的组成部分、已建住宅的升级必备手续。







Studies have shown that air pollution in homes and offices is about 100 times higher than it is in outside. Viruses and bacteria can take the indoor tiny dust as a vector get into our bodies through our breath, skin and through mucous membranes. At present we know that almost 65%-70% of infections and allergies are related to indoor dust...

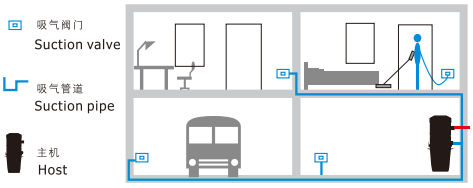
Although there have many reasons for the high incidence, but the floating dust and bacteria are also important reasons for aggravating respiratory disease.

Therefore, It is necessary to install an efficient central vacuum system in the healthy residence, which can eliminate the indoor dust and adsorb the bacteria on dust timely

Central vacuum system consists of cleaner host, pipe network, vacuum port, vacuum components. The cleaner host is placed in the room like equipment room, balcony, garage and inside (or outside) of the building. The host is connected with the suction of each room through the network pipe. When do the cleaning work, put the cleaning suction of vacuum component into the vacuum suction port, can suck the harmful gas and dust into the tank through the vacuum cleaning pipe.

In Europe and the United States, central vacuum system has more than 50 years of production history, and has been used on a large-scale for over 30- 40 years. Statistically, they are currently used in 90% of villas and 55% of apartments. Central vacuum cleaning systems are considered as an integral of new house, and necessary procedure for upgrading the built house.

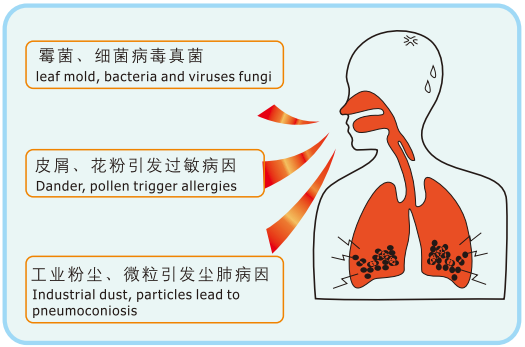
## 对人类健康新的危害：粉尘




> 粉尘是指悬浮在空气中的固体微粒。习惯上对粉尘有许多名称，如灰尘、尘埃、烟尘、矿尘、砂尘、粉末等。

> 现代社会随着工业化快速发展，四周粉尘数量急剧增大，严重污染了大气的同时也对人类的健康产生了极大的危害。

> 空气质量分析飘逸在大气中的粉尘往往含有许多有毒成分，如铬，锰，镉，铅，汞，砷等。当人体吸入粉尘后，小于5微米的微粒，极易深入肺部，引起中毒性肺炎或矽肺，有时还会引起肺癌。沉积在肺部的污染物一旦被溶解，就会直接侵入血液，引起血液中毒，未被溶解的污染物，也可能被细胞所吸收，导致细胞结构的破坏。




## The new hazard to human health: dust

> Dust refers to the solid particles that are suspended in the air. There used has many names for dust, such as dust, dirt, smoke, mineral dust, sand dust, powder etc.

> With the rapid development of industrialization of modern society, surrounded by dust increases sharply, seriously polluted the atmosphere at the same time has a great harm to human being's health.

> The air quality analysis of the dust in the atmosphere that are likely contain many toxic ingredients, such as chromium, manganese, cadmium, lead, mercury, arsenic etc. After the body take into the inhalation of dust, less than 5 micron particles, easily into the lungs, causing toxic pneumonia or silicosis, and sometimes cause lung cancer. The pollutants deposited in the lungs, once dissolved, it will directly into the bloodstream, cause blood poisoning,are not dissolved contaminants, may also be absorbed by the cells, leading to cell structure damage.

## 5大使用特性 Features

清静生活：主机远离生活空间，使用时无噪音，清静居家悠然自得。
Quiet life: the host is away from the living area, noise-free using, quite home leisurely.

清洁高效：清除有害微生物、螨虫、花粉、宠物毛屑等0.3微米以上尘物有效率高达99.7%
Efficient clean: the removal of harmful micro-organisms, mites, pollen, pet dander and other dust materials for more than 0.3 microns, the efficient rate up to 99.7%

清新健康：灰尘经管道储藏于主机，分离吸尘、排气过程杜绝二次污染，让室内外空间均可清新健康。
Fresh and health: the dust stored in the host through the pipeline, separate vacuum, the exhaust process to prevent secondary pollution, so that can keep indoor and outdoor space fresh and healthy.

轻便使用：将软管插入吸尘阀便可远程控制主机，专业自洁过滤系统降低使用成本。
Easy use: to insert a vacuum hose into the vacuum valve can remote the vacuum cleaning host, professional self-cleaning filtration system save the use cost.

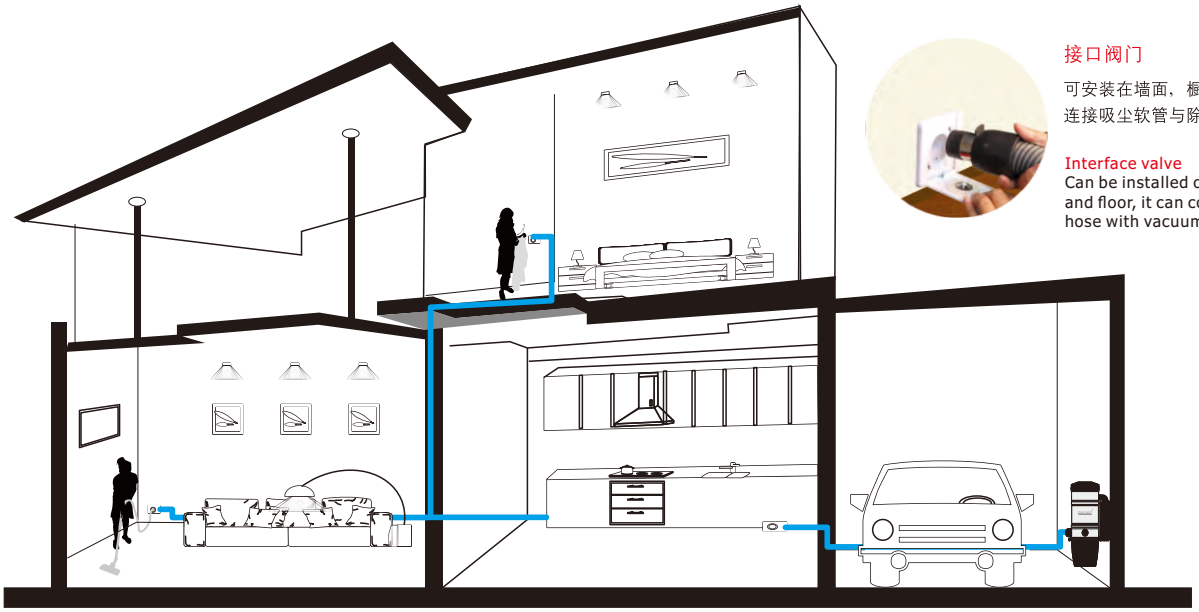
擎动系统：由美国阿美德格LAMB量身打造约是普通吸尘器的5倍，满足各种环境条件除尘需求。
Motor system: With the AMETEK LAMB of the vacuum cleaner is about 5 times dynamic than ordinary cleaner, can meet the variety needs of all environmental conditions.

## 360° 生活除尘 室内除尘整合解决方案
Indoor dust removal solution

尘物清除：有效清除细菌、微生物、宠物毛屑等不同尘物。
Dust and debris removal: effective removal of bacteria, microbes, dust and pet dander and different dust materials.

空间除尘：可广泛应用与住宅、酒店、医院、写字楼、工厂等不同场所的除尘。
Room clean: It can be widely applied to remove dust in residential, hotels, hospitals, offices, factories and different places.

物件除尘：配备各式接口以应用于汽车、电脑、宠物、散热器、地毯、地板、粘布等特殊物件的除尘。
Articles clean: equipped with different kinds of interface that can be used in automobiles, computers, pets, radiators, carpet, floor, sticky dust cloth and other special articles.





### 接口阀门

可安装在墙面，橱柜及地板上，连接吸尘软管与除尘管道。

### Interface valve

Can be installed on wall, cupboard and floor, it can connect the vacuum hose with vacuum pipeline



### 软管及附件

两种软管可供选择，一款是带控制软管，手柄自带远程开关，可通过手柄开关远程启动主机。9米，12米和15米可供选择。另外一款是即插即用，只需将软管插入吸尘阀口就能远程启动主机。不同的附件能满足不同的清理需求。

### Hose and fittings

Two kinds of hose, one hose is equipped with remote switch on the handle can remote boot the host by the handle switch . 9 meter, 12 meter and 15 meter for option. Another just simply insert the vacuum hose into the vacuum valves will remotely boot the host .Different kinds of fittings can meet the removal of different demands.



### 自动吸尘槽

带脚触开关的自动吸尘槽，常常被安装在餐厅，厨房等区域，能自动吸走扫到附近的垃圾。

### Automatic vacuum tank

The automatic vacuum tank with foot touch switch, are often installed in the dinning room and the kitchen areas, that can automatically take the nearby rubbish away.

## 传统吸尘器与中央除尘系统对比

| | 传统吸尘器 Traditional Vacuum cleaner | 中央除尘系统 Central vacuum cleaner system |
|---|---|---|
| 噪音 Noise | 使用时室内噪音达到70-80分贝，影响您及您家人的正常生活。<br>Noise Indoor noise reach to 70-80 dB, it affects you and your family's normal life. | 主机设备远离居住区域，使用时室内无噪音，只有轻微的气流声。<br>The vacuum host is far away from the living area, there have no noise when in use,just a slight sound of air. |
| 吸尘效率 Cleaning Efficiency | 电机功率小，气密性不够，吸力较小，无法彻底清扫微米级的室内污染颗粒，最小仅能过滤50微米的颗粒无法对抗生活空间中的螨虫。<br>Electrical power is small, air tightness is not enough, small suction, it can't clean the micron-level indoor pollution particles thoroughly, particles that can filter the smallest 50 microns, can not fight the mites in the living room. | 吸尘效率是传统吸尘器的5-8倍，保证至少过滤99.7%的0.3微米以上灰尘颗粒。<br>The cleaning efficiency is 5-8 times as the traditional vacuum cleaner, guarantee filter at least 99.7% of 0.3 micron and above dust. |
| 二次污染 Secondary pollution | 吸入吸尘器的细小灰尘颗粒将重新循环排放到室内空气中，造成二次污染。<br>The tiny dust which is sucked into the vacuum cleaner will re-cycle emission into the indoor air, cause the secondary pollution. | 灰尘等将通过管道被全部吸入主机，尾气标准的排放于室外。不会对您及您的周边邻居产生二次污染。<br>The dust will all sucked through the pipeline to the host, air emission outdoor. No secondary pollution on you and your neighbor. |
| 操作使用 Operation | 吸尘主机在使用时磕磕碰碰，有时也会因为电线不够长而烦恼每次吸尘时，机器来回被拖动，容易磨损地面和碰撞家具<br>There will have some troubles when the vacuum host in use, sometime the trouble is due to the wire is not long enough, every use, the machine was drag back and forth, easy abrasion the ground and collide the furniture. | 当吸尘软管被插入一个吸尘板接口，让系统自动开始工作。或者用手指轻轻打开吸尘软管手柄上的按钮来控制主机的开关。标准订制的软管富有弹性，不会对装璜和家具造成磨损。<br>When put the vacuum hose into a vacuum cleaning valve, let the system automatic work. Or press the switch on the hose' s handle so as to control the host's switch.The standard custom- made hose is full of flexibility, not abrade the decoration and furniture. |
| 日常清理 Daily Cleaning | 过滤袋容量小，且积聚在里面的灰尘颗粒容易滤漏出来。<br>The filter bag with small capacity, and the gathering dust particles easy to leak out. | 过滤容量大，密封，一年只需要倾倒2－3次；根据机器类型不同，清理方式略有区别。<br>The filter tank with big capacity is big, the clean method have little difference according to different types of machine. |
| 使用寿命 Service life | 电机和灰尘容易接触在一道，积垢并且使其寿命大大缩短。<br>The motor and the dust are easily contacted together, which will greatly shorten the life of host. | 专用并高效的电机，杜绝电机与灰尘的接触，使电机寿命持久。<br>Dedicated and highly efficient motor, avoid the contact between the motor and the dust, so that make the motor with lasting life. |
| 健康 Healthy | 过滤精度低，二次污染等这些未被清除的各种有害细菌和尾气的排放都会导致身体产生各类过敏和呼吸道疾病等病发症，尤其是对老人和儿童影响更大。<br>Low filter precision, secondary pollution and so on these can't be eliminated harmful bacteria and emission also will cause all kinds of allergy and respiratory disease and so on syndrome, especially have a more great impact on elder and children. | 有效去除减少空气中的污染有害物，还您全家一个易于呼吸、健康的室内环境。<br>Can efficiently remove and deduce the harmful contamination of the air, provide your family fresh and healthy indoor environment. |




# CVS3...

高效吸尘：吸力为普通吸尘器的数倍；
无二次污染：直接将尾气排放于室外；
操作简便：吸尘插口分布各处，方便您吸尘；
智能节能：特有的MENRED控制系统；
安装方便：在建的，正装修的房子都易于安装；
电机：顶级专业空气动力电机；
集尘罐：半透明集尘罐，极易检查吸入灰尘量；
过滤网：安装主机机身，不易影响集尘罐拆装；
电机通风窗：安全配置，促长电机寿命；
搭扣式集尘罐：操作更加轻便保持终身密封，人性化开启。

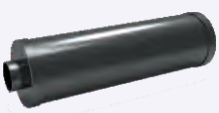


Efficient cleaning: The suction force is many times as the ordinary vacuum machine.
No secondary pollution: Discharge the exhaust air outdoors directly.
Easy operation: The vacuum socket are around everywhere, so that very convenient to vacuum.
Intelligent and energy: Have special MENRED control system.
Easy- mounting: It is easy to mount when built or decorate the house.
Motor: High-end professional AMETEK
Dust collection container: Translucent visible container, easily check the amount of absorbed dust.
Filter: mount the host, do not affect the disassemble of dust tank.
The vent of motor: Safety device which can extend the motor lfe.
Hasp-style dust collection tank: The operation to maintain life-long seal is more portable, user-friendly open.

## 随机配件
## Standard Accessories

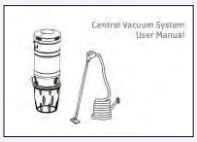

> Bracket


> Hose


> Muffler


> Pipe collar clamp


> 90° Elbow



> User Manual

## Screw Kit



| 型号Model | CVS3.16.W160 | CVS3.16.W180 |
|---|---|---|
| 工作原理 Working principle | 混合气旋 Mixed Cyclone | |
| 主机外壳 Host shell | 进口钢板 Stainless steel | |
| 马达 Motor | 专业空气电机 AMETEK | |
| 工作效率 Rated power (W) | 1650 | 1800 |
| 工作电 压Power supply(V) | 220V/50Hz | |
| 负压值 Negative pressure value($H_2O$mm) | 3000 | 3500 |
| 流量 Flow ($m^3/h$) | 175 | 200 |
| 空气质量 Air watts(W) | 508 | 625 |
| 自吸口 Sucking valve on power unit | YES | |
| 马达自动保护系统 Motor protection system | YES | |
| 消音器 Muffler | External type | |
| 噪音值 Noise(3m)(dB) | 61 | 61 |
| 集尘量 Dust storage capacity(L) | 20 | |
| 主机净重/毛重 N.W/G.W(kg) | 13/15.5 | |
| 主机尺寸 Host size(mm) | Φ280×910 | |

**过滤系统 Filter system(1)**



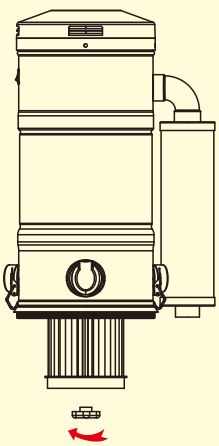
**HEPA 过滤系统**

>采用粗滤+HEPA 双重过滤，能有效过滤0.3微米高达99.97%
>过滤面积和容尘量大
>过滤器结构优化，使得维护清更轻松
>采用进风导向弯头，能有效让灰尘带到桶底

**HEPA filter system**

> Double layers filter which can filter 0.3μmup to 99.97%.
> Filter area and dust holding capacity is large.
> Reasonable structure, easy to replace.
> Using inlet elbow guide dust to the bottom of tank.

**过滤系统 Filtration System(2)**

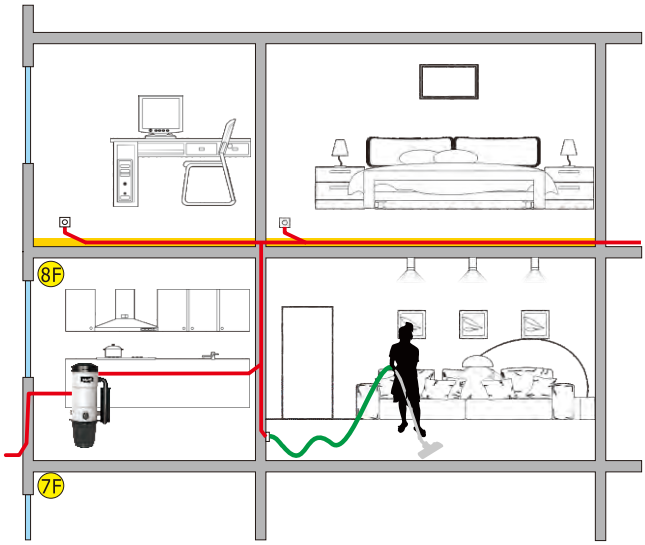


1. 打开关闭着的挂钩，移出灰尘容器，拧下过滤器底部的手动螺母，拿出过滤器
2. 取下粗滤套清理，可清洗可风干。用吸尘器对HEPA过滤器内内的灰尘进行清理，清理完毕后再将其安装回除尘机

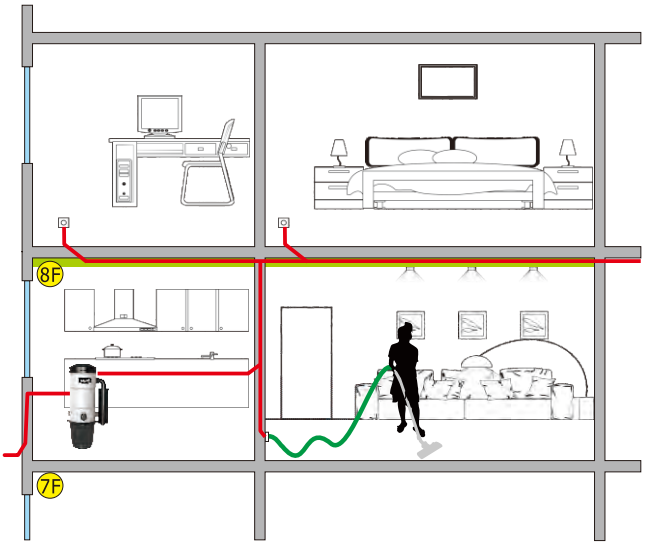
1. Open the hook closure, move out the dust container and screw off the manual nut at the bottom of filter then take out the filter.
2. Take off the coarse filtering sleeve to clean, it can be washed and dried. Clean the dust in the HEPA by vacuum cleaner, after finishing it then install it back to the power unit.

## 商品房应用Application of apartment

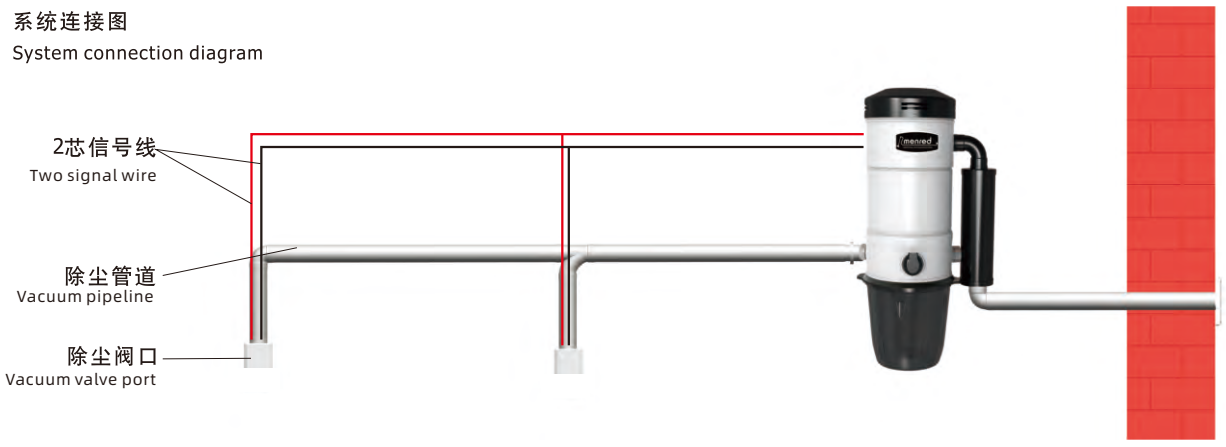
方案一：地板布管
Project I: Install the hose under the floor




方案二：天花板布管
Project II: Install the hose in the ceiling




系统连接图
System connection diagram



# 软管配件组

除尘系统将人性化的设计应用在最先进的清洁工具领域内。
您可以选配各种符合特别场所需要的清扫工作组。

## Hose Accessory

Dust Removal system has applied humanized design in the most advanced cleaning tool field. You can match the needs of a variety of cleaning accessories comply with the special places.










D280-Y

### 带控制软管 With control hose

D280-Y 12V带控制软管/9米 12V With control hose/ 9 meter

D280-12 12V带控制软管/12米 12V With control hose/ 12 meter

D280-15 12V带控制软管/15米 12V With control hose/ 15 meter

手柄自带远程开关，可远程启动主机，符合人体工程学的手柄设计使用更省力。
采用35mm直径的软管，软管阻力可以减少20%以上。

A remote switch on the handle can remotely boot the host, the ergonomic handle design can be more labor-saving. The application of 35 mm diameter hose can reduced over 20% hose resistance.



D287

### 9米软管 9 meter hose

既插既用，只要将软管插入吸尘门口就能远程开启主机，清洁完成后拔掉软管就自动关闭主机。

Plug and work, just simply insert the vacuum hose into the vacuum valve port can remotely boot the host, unplug the hose after cleaning, which can automatically shut off the host.



D283



D285

### 伸缩软管 Stretchable hose

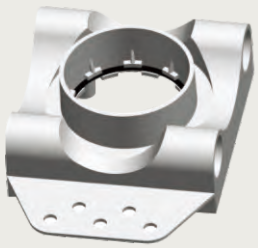
D283 软管长度1.5米，可自由伸缩至7米。
The length of hose is 1.5 meter, can stretch to 7 meter.

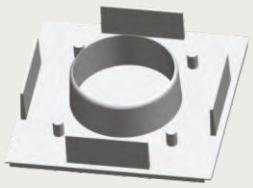
D285 软管长度2.6米，可自由伸缩至10米。
The length of hose is 2.6 meter, can stretch to 10 meter.

# 接口阀门
## Interface Valves






预埋盒


护尘罩


面板


吸尘阀装饰框

MENRED除尘系统配置了专业的阀口，具有质量优越、性能稳定、造型简约等特点。

> 接口阀门

接口阀门是除尘系统中必不可少的组成部分，系统的接口阀门安装简单，使用牢固。它适用于积灰较多的餐厅、厨房或使用扫帚的区域，只需把吸尘软管插入就能远程启动主机，远离马达使你在吸尘时，也能欣赏音乐。

Menred vacuum system are configured with the professional valve ports, with excellent quality, stable performance, simple models and so on traits.

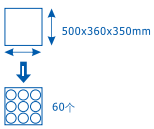
> Interface valve

The interface valve is an essential component of the vacuum system, the system interface valve is easy installation and stable use. It applies to those area like dinning room, kitchen or the area that need to use a broom, just simply insert the vacuum hose can remotely boot the host, you can enjoy music even during you are vacuuming.



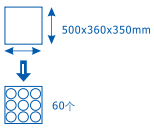
口径 Size:50.8mm

D600



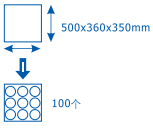

口径 Size:50mm

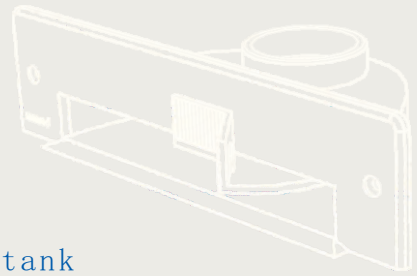
D605



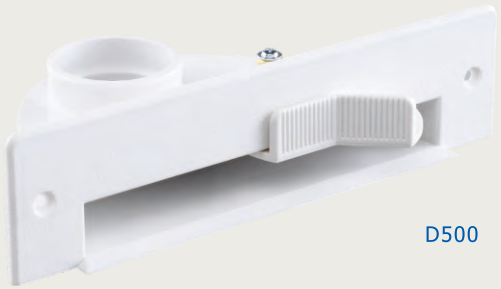



D608 吸尘阀装饰框 Decorative frame





# 自动吸尘槽
## Automatic vacuum tank



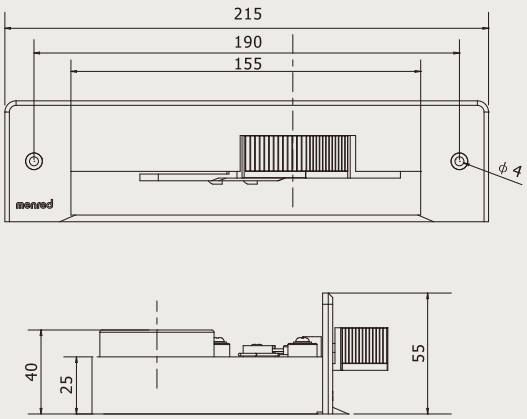
D500

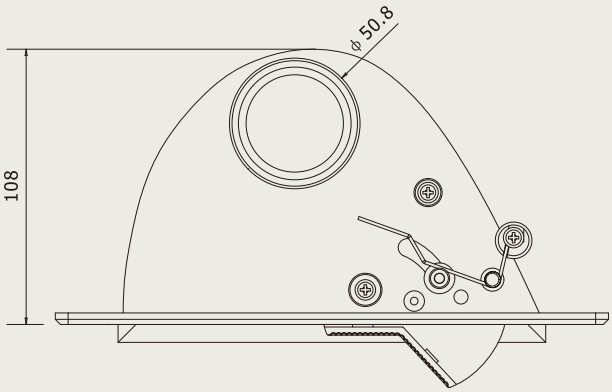
带脚触开关的自动吸尘槽，常被安装于餐厅、厨房等区域。您只需要用扫帚或脚触动开关，即可远程控制吸尘系统的启动。您不再需要频繁弯腰将垃圾扫入簸箕，吸尘槽会自动吸走您到扫的到附近的垃圾，让您的清洁工作更轻松更舒心。





The automatic vacuum tank with foot touch switch, are often installed in the dinning room, kitchen areas. All you need to use a broom or foot to touch the switch, which can remotely control the vacuum system. You don't need to frequently stoop to holding the litter dustpan, the automatic vacuum tank can automatically take your nearby rubbish, make the cleaning work easier and more comfortable.




# A8豪华附件包
## A8 luxury accessories package



带控制软管
With control hose

D280-Y



1套pcs

D221



1只set

D223



1只set

外包装尺寸
Carton Dimension (mm)
G. W: 5.75kg



D247



1套pcs

D276



D272



1套pcs

D210



1只set

# 可选配件
## Optional Accessory

除尘系统将人性化的设计应用在最先进的清洁工具领域内。您可以选配各种符合特别场所需要的清洁工作组。

Dust Removal system has applied humanized design in the most advanced cleaning tool field. You can match the needs of a variety of cleaning accessories comply with the special places.



### D262
迷你型空气动力旋转刷

小巧灵活，带有吸尘空气驱动旋转毛刷，用于清扫楼梯、家具、床等部位。

Mini-type aerodynamic rotating brush

compact and flexible vacuum aerodynamic rotating brush can be used in cleaning stairs, furniture, beds etc.



### D331
前置旋涡过滤器

过滤玻璃碎片、铁屑、钉等，防止尖锐物品对软管和过滤网的刺破。

Front spinning filter

Filter glass, debris, scrap iron, nails etc, can prevent the hose and filter net from the puncture of sharp objects.



### D243
缝隙软管

可以轻松打扫冰箱、空调、橱柜下的灰尘。

Gap hose

You can easily clean the dust under the refrigerator, air conditioning and cupboard.



### D281
粘布除尘刷

您可将粘布除尘刷与吸尘系统搭配使用，可轻松清洁难以清除的地板表面。如需洗涤，取下抹布头即可。

Sticky cloth dust brush

You can use the stick cloth dust brush together with vacuum cleaning system, which can easily clean hard-to-clean floor surface. For washing, you only need to do is to remove the rag.



### D247
汽车清扫配件

如果您有汽车需要清扫，我们建议您另配一套汽车专用配件组，这样可以方便拿取使用，而且其采用的软管为防重压软管，可以轻松承载汽车轮胎的挤压而无任何损坏。

Auto cleaning accessory

If your car needs cleaning, we recommend you to equip a set of automotive-specific accessories, so you can easily use, and the hose on it is anti-pressure hose, you can easily carry tire extrusion without any damage.



### D263
空气动力旋转刷

带有吸尘空气驱动旋转毛刷，可对毛毯进行深度清洁，使用灵活，用于清扫楼梯、家具、床等部位。

Aerodynamic rotating brush

With vacuum aerodynamic rotating brush, it can be carried out on the carpet deep cleaning, use flexibly, and can be used in cleaning stairs, furniture and beds etc.



### D277
衣物毛刷

对衣物、窗帘、布类物品进行灰尘毛屑清理。

Cloth brush

Can be used for cleaning the dust dander on the clothing, curtains, and other cloth items.



### D215
软管保护套管

可以保护家具免被软管擦坏，也同时有效保护软管免受墙角或坚硬物体刮伤。

Hose protection sleeve

It can prevent the furniture from being scratched by hose, at the same time can effectively protect the hose from being scratched by wall or other hard object.

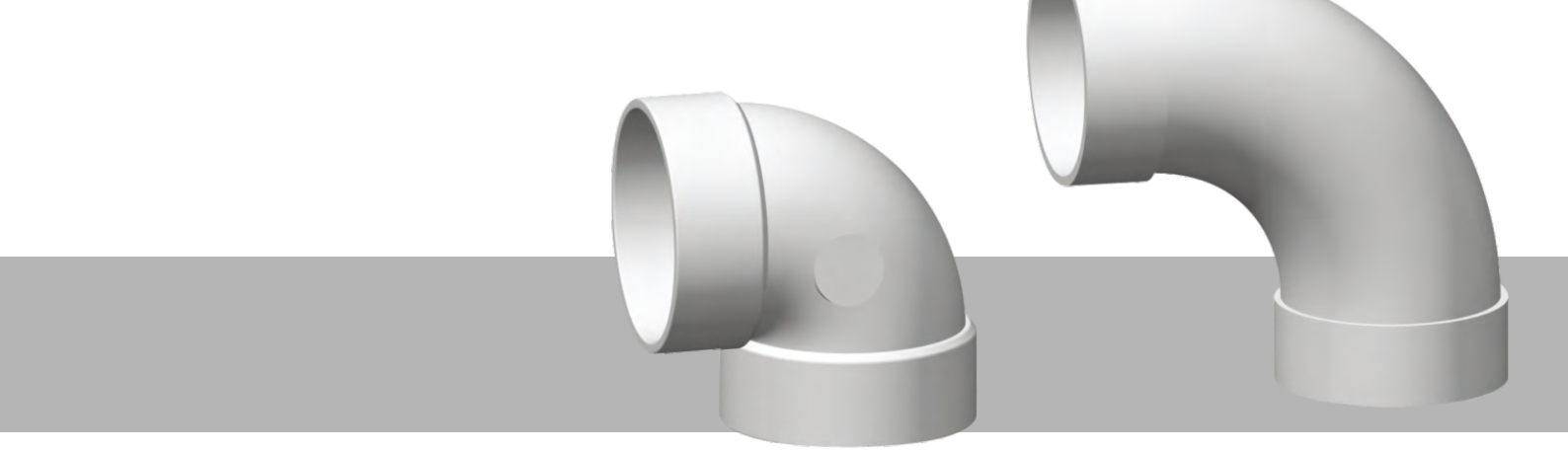


### D306
微型清扫工作组

专业的清扫工具及软管可以轻松去除电脑、键盘、排风机、线路板、数码产品等精微物品中的积灰

Micro-cleaning accessory

The professional cleaning tools and hoses can easily remove the dust in the computer, keyboard, ventilation machine, circuit board, digital products and those microscopic objects.



符合美国《住宅中央真空管和配件用规范》标准
ANSI/ASTM F2158

## 规格Specifications: ϕ50.8mm



**F8200** Pipes
真空管

2030x240x190mm

12个



**F8201** 90° Long Elbow
90度长弯头

605x395x300mm

115个



**F8203** 90° downstream 3-ports
90度顺流三通

605x395x245mm

80个



**F8204** 90° short elbow
90度短弯头

370x308x300mm

100个



**F8208** 45° Elbow
45度弯头

370x305x300mm

125个



**F8209** 45° connecting elbow
45度连接弯头

370x305x300mm

125个



**F8210** Direct Connector
直通连接件

370x305x300mm

200个



**F8217** Pipe clamp
管卡

370x305x300mm

600个



**F8224** 90° socket short elbow
90度插口短弯头

370x305x300mm

125个



**F8231** Tube
管套

125x197x230mm

100个



**F8216** Double Y type 3-ports
双丫三通

370x305x300mm

70个



**F8206** 30 ° Elbow
30度弯头

370x300x305mm

150个



**F8215** 45° oblique 3-ports
45度斜三通

605x395x300mm

105个



**F8222** Socket extension connection
插口延伸件

125x197x230mm

84个



**F8221** Sliding connector
滑动连接件

370x305x300mm

225个



**F8213** Pipe Cover
管盖

120x194x230mm

65个



**F8223** Pipe Fittings
管道连接件

370x305x230mm

180个



**C50** Stainless clamp
不锈钢卡箍



**W90** A small 90° elbow
小90度弯头

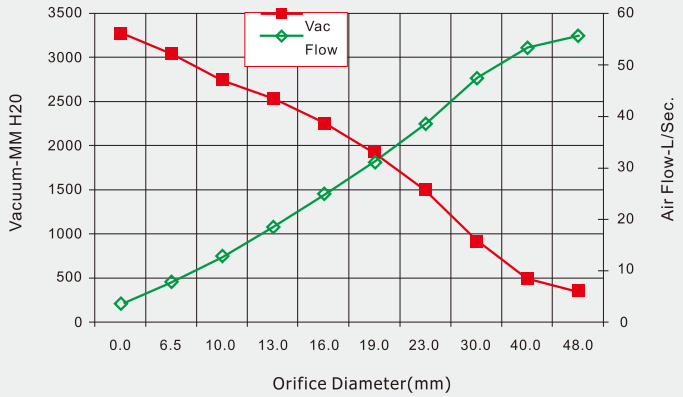



# 顶级旁通式马达
## Top by-pass motor

主机马达采用美国军工AMTEK重载加强型AIRWATTS旁通式马达系列，
马达散热通风与吸尘过滤后空气互不接触，延长电机寿命。
美国阿美德格公司是世界公认的顶级马达生产商。

Apply the U.S Military AMETEK overloaded enhanced AIRWATTS bypass type motor series. Motor cooling ventilation do not contact with the air filtered by vacuum cleaners, extending motor life.
American AMETEK company's vacuum motor is recognized as the top motor in the world.

METRIC DATA




| Orifice size | Current (Ampere) | Input Watts | Speed RPM | Vacuum In./H2O | Air Flow (CFM) | Air Watts | Effic. % |
|---|---|---|---|---|---|---|---|
| 2 | 7.91 | 1816.7 | 25160.0 | 6.39 | 131.13 | 98.52 | 5.42 |
| 1.75 | 7.91 | 1818.3 | 25156.7 | 10.42 | 127.56 | 156.53 | 8.61 |
| 1.5 | 7.91 | 1817.7 | 25160.0 | 17.61 | 120.29 | 249.16 | 13.71 |
| 1.25 | 7.96 | 1827.0 | 25156.7 | 30.73 | 110.33 | 398.93 | 21.84 |
| 1.125 | 7.86 | 1810.0 | 25543.3 | 40.75 | 102.57 | 491.83 | 27.17 |
| 1 | 7.76 | 1784.7 | 25543.3 | 52.91 | 92.06 | 573.04 | 32.11 |
| 0.875 | 7.58 | 1746.0 | 25933.3 | 66.95 | 79.38 | 625.29 | 35.81 |
| 0.75 | 7.29 | 1680.7 | 26323.3 | 81.72 | 64.21 | 617.29 | 36.73 |
| 0.625 | 6.85 | 1583.0 | 27113.3 | 96.36 | 48.26 | 547.10 | 34.56 |
| 0.5 | 6.28 | 1454.3 | 28290.0 | 110.21 | 32.96 | 427.39 | 29.39 |
| 0.375 | 5.61 | 1303.3 | 29856.7 | 123.51 | 19.58 | 284.46 | 21.83 |
| 0.25 | 5.01 | 1166.0 | 31293.3 | 133.27 | 9.34 | 146.42 | 12.56 |
| Sealed hot | 4.54 | 1062.0 | 32856.7 | 146.97 | | | |
| Sealed cold | 4.56 | 1066.3 | 32706.7 | 147.70 | | | |

| Orifice size | Current (Ampere) | Input Watts | Speed RPM | Vacuum In./H2O | Air Flow (CFM) | Air Watts | Effic. % |
|---|---|---|---|---|---|---|---|
| 2 | 6.92 | 1599.3 | 22716.7 | 3.86 | 102.75 | 46.70 | 2.92 |
| 1.75 | 9.94 | 1602.3 | 22700.0 | 7.13 | 106.213 | 89.15 | 5.56 |
| 1.5 | 6.96 | 1607.3 | 22653.3 | 13.02 | 103.92 | 159.22 | 9.91 |
| 1.25 | 7.01 | 1618.3 | 22636.7 | 24.33 | 98.56 | 282.08 | 17.43 |
| 1.125 | 6.99 | 1613.0 | 22603.3 | 32.94 | 92.60 | 358.85 | 22.25 |
| 1 | 6.96 | 1606.3 | 22656.7 | 44.69 | 84.86 | 446.14 | 27.77 |
| 0.875 | 6.82 | 1574.3 | 22816.7 | 58.27 | 74.16 | 508.33 | 32.29 |
| 0.75 | 6.58 | 1520.3 | 23216.7 | 71.70 | 60.23 | 508.10 | 33.42 |
| 0.625 | 6.19 | 1435.3 | 23970.0 | 84.12 | 45.17 | 446.96 | 61.14 |
| 0.5 | 5.73 | 1333.3 | 24863.3 | 94.45 | 30.56 | 339.59 | 25.47 |
| 0.375 | 5.21 | 1218.7 | 26013.3 | 104.82 | 18.12 | 223.49 | 18.34 |
| 0.25 | 4.75 | 1114.7 | 27283.3 | 114.01 | 8.71 | 116.80 | 10.48 |
| Sealed hot | 4.43 | 1043.7 | 28293.3 | 125.42 | | | |
| Sealed cold | 4.43 | 1042.3 | 28323.3 | 125.69 | | | |



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