

WORK TOGETHER FOR THE FUTURE



Plasma Micro-Electrostatic Filter PHT UVC & Photocatalysis Filter

For HVAC & Ventilation System





WORK TOGETHER FOR THE FUTURE

Leading a healthy life

CONTENTS

- 01 • Company Overview
- 05 • Why need Air disinfection
- 09 • Plasma Micro-electrostatic Filter
- 23 • PHT UVC FILTER
- 29 • Project List Domestic



Focus on air purification
Create a comfortable space



COMPANY PROFILE



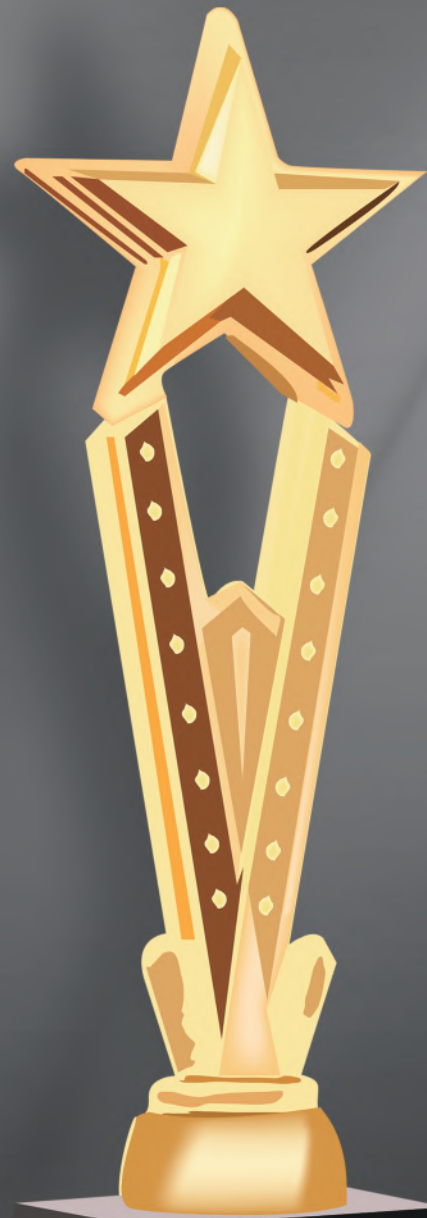
DEKON new production base, focusing in air sterilization and purification products R&D and manufacturing, having the register capital of 51.8 million rmb, having staff of 180 people, having technical engineer 39 people, among them, having 8 high grade technical engineer, and 25 middle grade engineer, all focusing in R&D of Dekon air sterilization and purification products.

Dekon Air Sterilization and purification products mainly for applications of hospital, hotel, office, school, airport having CE, ISO9001 certificate, and passed the National Standard Testing Lab testing for our products.





TECHNOLOGY AND PATENT



1 Business license



2 AAA certification



3 Patent invention

4 Member of China air purification industry

5 Sanitation license of disinfection product manufacturer

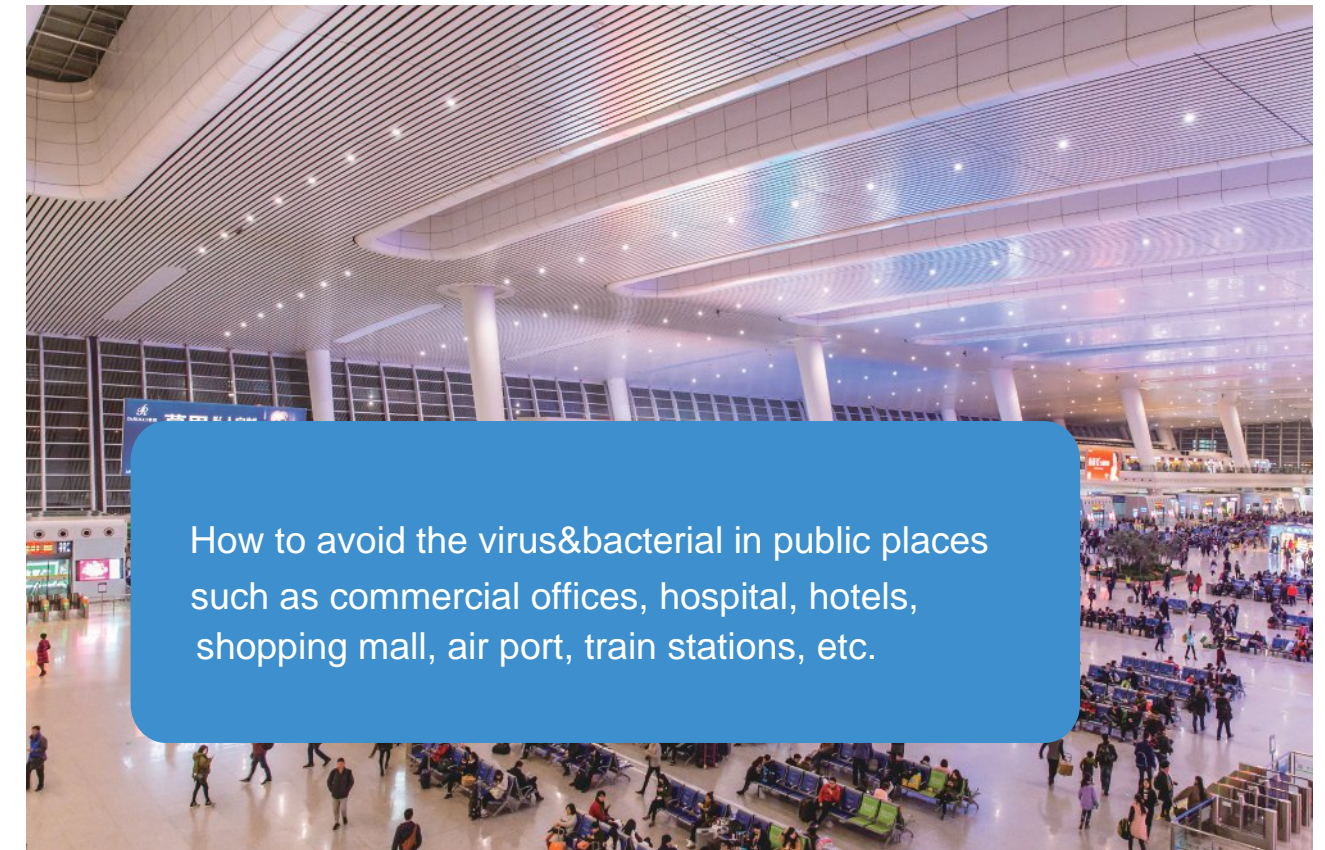
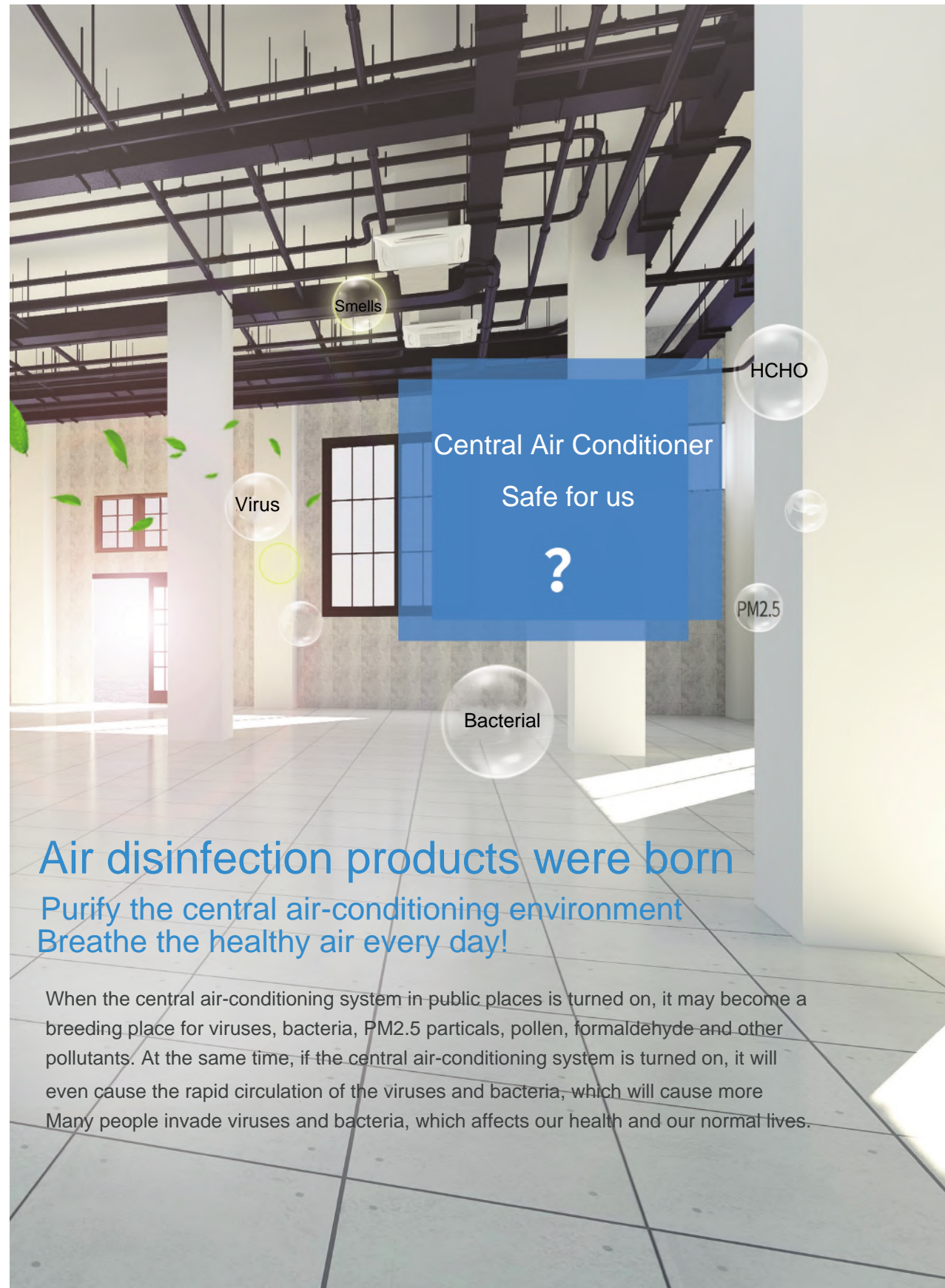


6 Quality management system certification

7 CE certification



8 Certificate for quality assurance



How to avoid the virus&bacterial in public places



01

Wear Mask

Suitable for outdoor and public places, in summer season not convenient

not convenient



02

Use 84 disinfectant

Risk of accidentally being sucked or eaten

not Safe



03

Air sterilizer and air purifier

By installing air sterilization products, when the indoor air conditioner is turned on
Cyclically kill viruses and bacteria in the air, thereby purifying the air in all directions.

Safe

HVAC Air Disinfection and purification

Say Goodbye to PM2.5 and infection
Make a Healthier and Better Life!

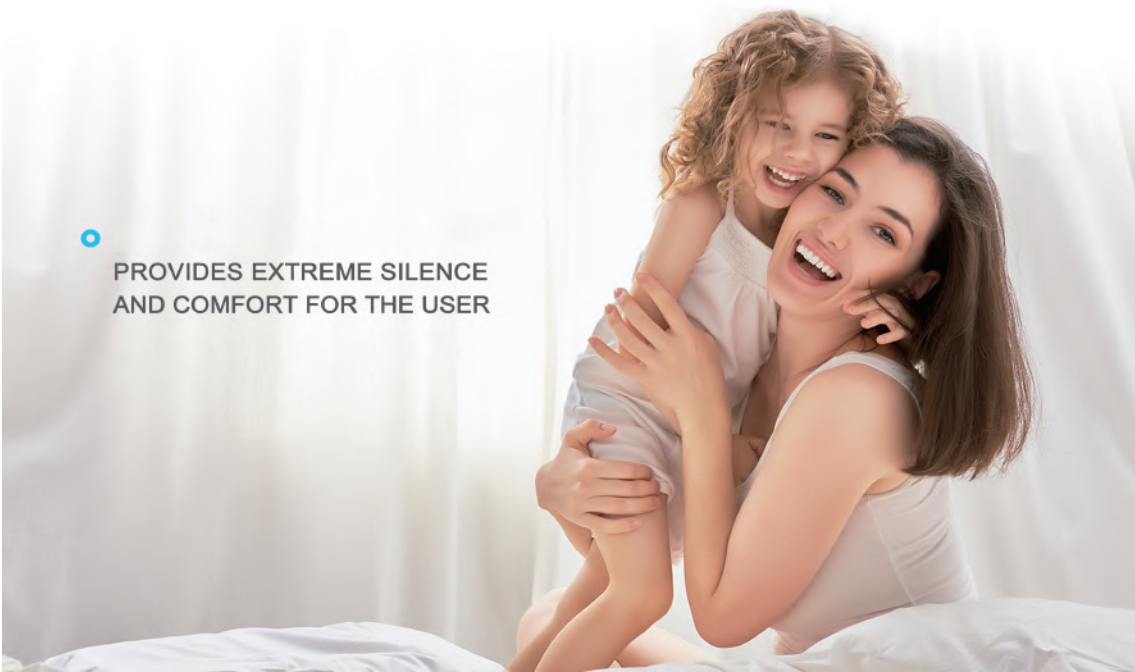


Public or at home
Efficient purification



What is Central HVAC Air Disinfection System?

Dekon Air Disinfection and Purification unit works with central air conditioning and ventilation system in buildings, purify and disinfect the air to kill virus and get rid of PM2.5 efficiently.



PROVIDES EXTREME SILENCE
AND COMFORT FOR THE USER

INDOOR AIR QUALITY

We Care Your Fresh Clean Air

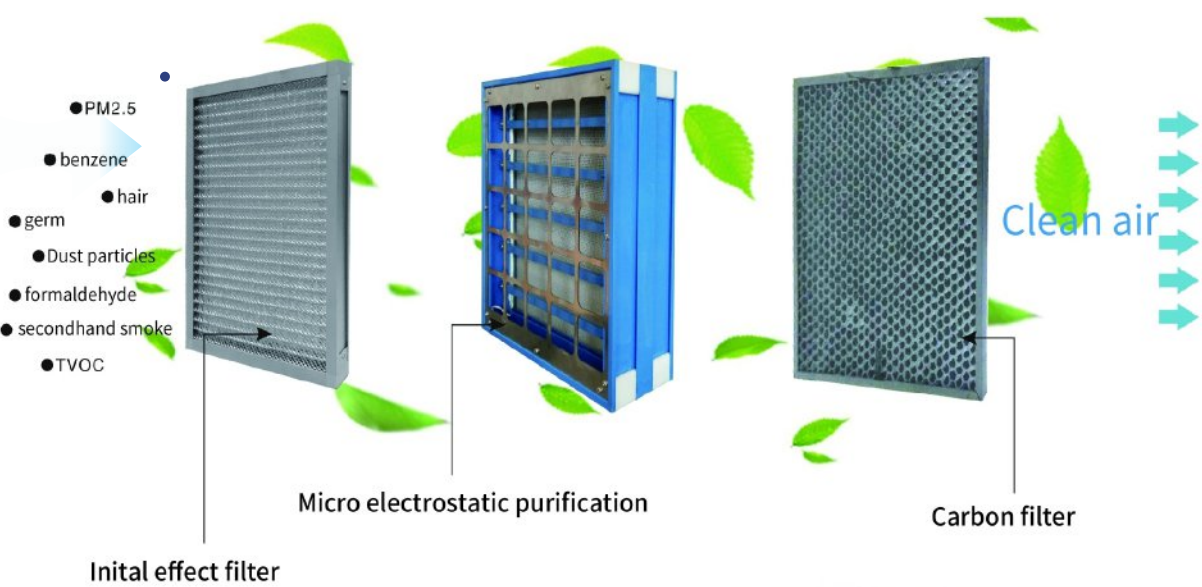


Plasma Micro Electrostatic Air Cleaner



We Care Your Fresh Clean Air

NO OZONE! NO CONSUMABLES! NO NOISE!



Micro electrostatic purification



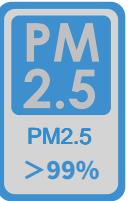
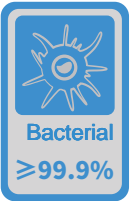
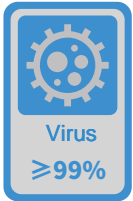
Product characteristics

- PM2.5 Super purification efficiency up to 98%
- Kill microorganisms such as bacteria and viruses
- Large dust capacity, instead of traditional filtration, no replacement is required
- Non-high voltage electrode nudity, Non-penetrating fire, no security risks
- Reduce system energy consumption, more energy saving
- Removal of 99% airborne particulate matter

W



HAT IS PLASMA MICRO ELECTROSTATIC



Principle: Electric field module, i.e. electrically charged module, produces a 10000 V electrostatic field between the discharge electrodes, so that particulate matters passing through the electric field are instantly charged. The module adopts negative electrode discharge and generates abundant negative ions in this process, thereby making the air healthy and fresh.


The phalanx of approx. 1 mm staggered micro-cavities made of special dielectric graphene forms a micro electrostatic matrix—a strong electric field which applies enormous attraction to charged fine particles in the air; with only a small air flow impedance produced, it can adsorb almost 100% of moving particles in the air and the removal efficiency of PM2.5 and other particulate pollutants is especially outstanding

Compared with Traditional Purification


Product Name	Plasma Micro Electrostatic	Plate Electrostatic	HEPA Filter
PM2.5 Purification Efficiency	99%	85-90%	99%
Plate Electrostatic	15Pa	10Pa	>50Pa
Security	No electric ark and spark high safety	Have electric ark and spark	Safe
Ozone concentration	With lower Ozone concentration	Excess ozone concentration	No Ozone
Use-Cost	Can be used for a long time can be used repeatedly	Can be used for a long time can be used repeatedly	Need to replace regularly
Secondary Pollution	Microstatic electricity kills bacteria and viruses without secondary contamination	High voltage kill virus and bacterial	Virus and bacterial stay on filter have second pollution
Noise	No arc and no noise	Have sparks have little noise	Increase the fan noise

PLASMA MICRO ELECTROSTATIC KIT


For Fan Coil Units Air Return Side



Virus
≥99%



Bacterial
≥99.9%




PM2.5
PM2.5
>99%




Return Air Inlet Mounted Micro Electrostatic Air Cleaner

Single Flange Type; Include Shell, core filter module, control.

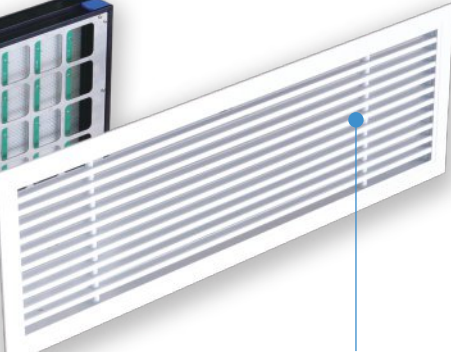
PRODUCT STRUCTURE



▶ Flame retardant casing

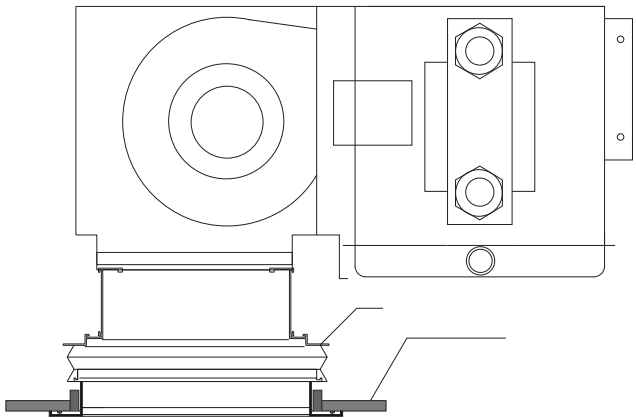


▶ Plasma Micro-Electrostatic Filter
Thickness 60mm or 90mm optional



▶ Optional Air Grill

INSTALLATION DIAGRAM

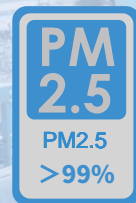
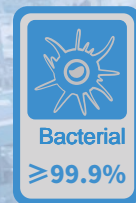
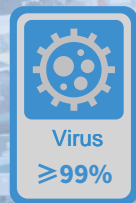


PRODUCT PARAMETERS

Return Air Inlet Mounted Micro Electrostatic Air Cleaner									
Model No.	DK-MES-FP34S	DK-MES-FP51S	DK-MES-FP68S	DK-MES-FP85S	DK-MES-FP102S	DK-MES-FP136S	DK-MES-FP170S	DK-MES-FP204S	DK-MES-FP238S
Air volume	340	510	680	850	1020	1360	1700	2040	2380
Filter size(mm)	Size can be designed to fit fan coil air return,thickness has 60mm and 90cm two types.								
Power supply	220V/50Hz,discharge voltage 4000-8000V								
Rated Power	5-10W								
Filter efficiency	PM2.5: 99%; particulate matters: 99%; bacteria, virus and other microorganisms: 99%								
Pressure Drop	5-12-20Pa(fan speed 0.5-1-1.5m/s)								
Working status indicator	Power supply indicator; Working indicator; Cleaning Warning indicator.								
Controls	Airflow sensor switch; interlock device; power-off switch (additional function)								
Remarks	Actual requested dimentions and thickness of micro-eletrostatic filter can be customized.								

PLASMA MICRO ELECTROSTATIC KIT

For Fan Coil Units Air Return Side



Return Air Inlet Mounted Micro Electrostatic Air Cleaner

Double Flange Type; Include Shell, core filter module, control.



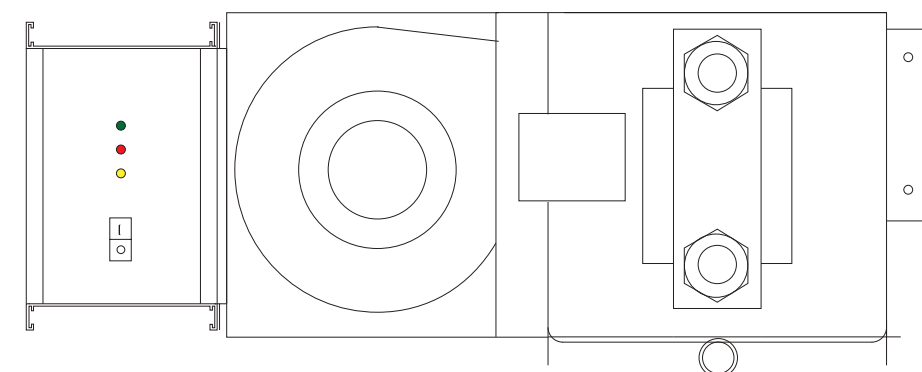
PRODUCT MIX



▶ Flame retardant casing

▶ Plasma Micro-Electrostatic Filter
Thickness 60mm or 90mm optional

INSTALLATION DIAGRAM



PRODUCT PARAMETERS


Return Air Inlet Mounted Micro Electrostatic Air Cleaner									
Model No.	DK-MES-FP34D	DK-MES-FP51D	DK-MES-FP68D	DK-MES-FP85D	DK-MES-FP102D	DK-MES-FP136D	DK-MES-FP170D	DK-MES-FP204D	DK-MES-FP238D
Air volume	340	510	680	850	1020	1360	1700	2040	2380
Filter size(mm)	Size can be designed to fit fan coil air return,thickness has 60mm and 90cm two types.								
Power supply	220V/50Hz,discharge voltage 4000-8000V								
Rated Power	5-10W								
Filter efficiency	PM2.5: 99%; particulate matters: 99%; bacteria, virus and other microorganisms: 99%								
Pressure Drop	5-12-20Pa(fan speed 0.5-1-1.5m/s)								
Working status indicator	Power supply indicator; Working indicator; Cleaning Warning indicator.								
Controls	Airflow sensor switch; interlock device; power-off switch (additional function)								
Remarks	Actual requested dimentions and thickness of micro-eletrostatic filter can be customized.								

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PLASMA MICROELECTROSTATIC KIT




For Air Duct Insert Type



Virus
≥99%



Bacterial
≥99.9%



PM
2.5
PM2.5
>99%







Top Insert Type






Side Insert Type



FUNCTIONAL FEATURES

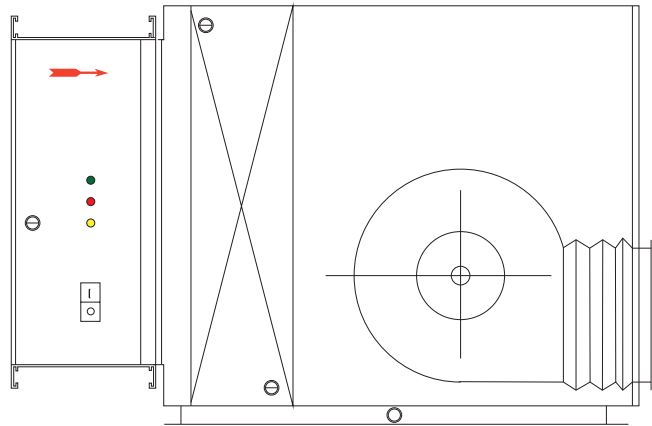


Remove Odor Highly Aapted Robust Structure Flange Design



Remove Haze Disinfection 99% Ozone Free

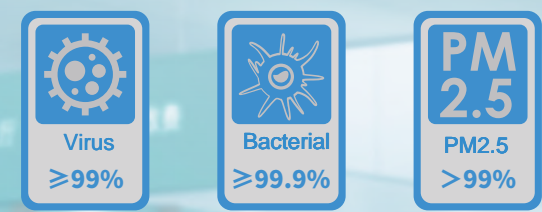
INSTALLATION DIAGRAM



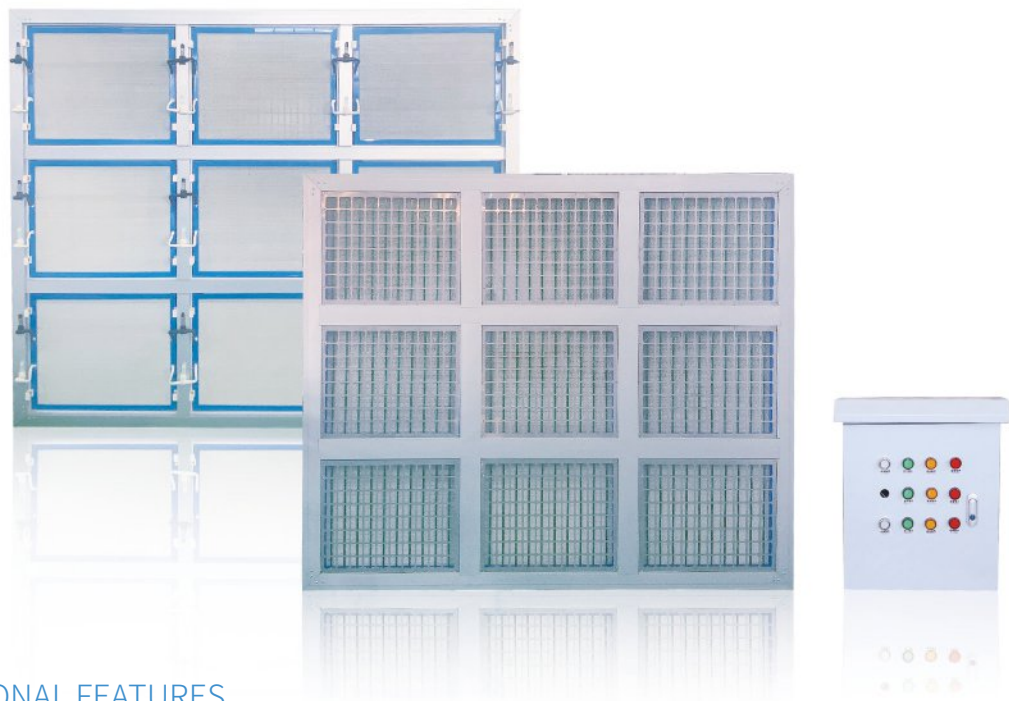
Product name	Air duct mounted micro electrostatic air cleaner
Model	DK-MES/D**
Air volume	500~20000m³/h
Overall dimensions	To be customized according to the dimensions of ducts
Power supply/frequency	220 V/50 Hz; discharge voltage: 4000-8000 V
Power	5-30W
Filtration efficiency	PM2.5: 98%; particulate matters: 99%; bacteria, virus and other microorganisms: 95%
Working status indicator	Power indicator, operation indicator, cleaning indicator
Controls	Air flow sensor, linkage, power OFF switch (additional functions)
Remarks	Special specifications can be customized according to customer requirements.

PLASMA MICRO ELECROSTATIC KIT

TAKE PLACE OF AHU BAG FILTER SECTION



PRODUCT DISPLAY



FUNCTIONAL FEATURES



Remove Odor



Highly Aapted



Robust Structure



Flange Design



Remove Haze

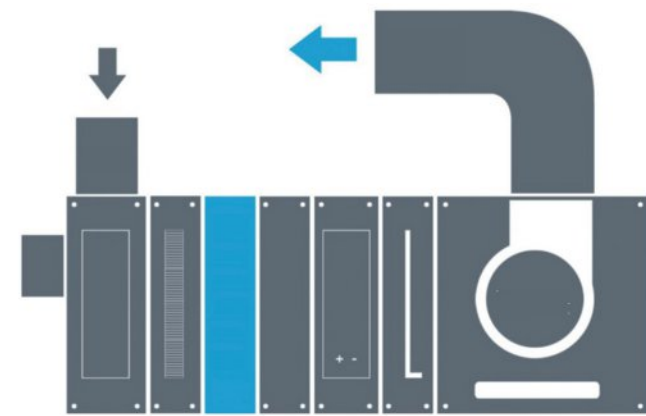


Disinfection 99%



Ozone Free

INSTALLATION DIAGRAM



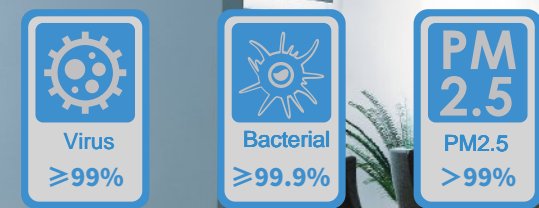
PRODUCT PARAMETERS

Product name	micro electrostatic air cleaner
Model	DK-MES/D**
Air volume	500~20000m³/h
Overall dimensions	To be customized according to the dimensions of ducts
Power supply/frequency	220 V/50 Hz; discharge voltage: 4000-8000 V
Power	5-30W
Filtration efficiency	PM2.5: 98%; particulate matters: 99%; bacteria, virus and other microorganisms: 95%
Working status indicator	Power indicator, operation indicator, cleaning indicator
Controls	Air flow sensor, linkage, power OFF switch (additional functions)
Remarks	Special specifications can be customized according to customer requirements.

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PLASMA MICRO ELECTROSTATIC KIT

Ceiling Cassette Type



FUNCTIONAL FEATURES

Ceiling Cassette type plasma electrostatic air cleaning unit installed in central air-conditioning or air disinfection and purification products without air return box, with fan and power supply, no linkage with the air conditioning. Plasma air cleaning unit includes Primary filter, circulating fan, plasma electrostatic filter, anion generator and the smart control (Bactericidal antivirus filter and Activated carbon formaldehyde filter are optional)

APPLICATION AREA

Public places of medical system	Public places of medical system, Hospitals, pharmaceutical factories, operating rooms, Isolation ward, blood station rehabilitation center, etc
workshop	Electronic factory, optical factory, plastic hardware coating factory, cosmetics factory, food factory, sanitary products workshop, etc
Office Building	Telecommunications, government buildings, banks, etc
public place	Station, airport, hotel, beauty salon, teahouse, supermarket, library, exhibition hall, etc

FUNCTIONAL FEATURES



Remove Odor Highly Apted Robust Structure Ceiling Cassette Design



Remove Haze Disinfection 99% Ozone Free

PRODUCT PARAMETERS

Ceiling concealed type plasma electrostatic air cleaning unit									
Model	DK-MES-D-50			DK-MES-D-80			DK-MES-D-100		
Panel size	650*650*430mm			800*800*430mm			800*800*430mm		
Speed	H	M	L	H	M	L	H	M	L
Air volume-m3/h	800	500	300	1000	800	500	1300	1050	690
Power input	58	40	25	69	50	35	82	69	40
Noise	50	42	32	52	43	38	53	44	40
Filtration efficiency	PM2.5: 98%; particulate matters: 99%; bacteria, virus and other microorganisms: 95%								
Clear function	Primary filter, plasma electrostatic filter and Activated carbon formaldehyde filter								
Power supply	220V/50Hz, discharge voltage 4000-8000V								
Control	Remote controller and wired controller (with 3 speed)								
Working status indicator	Power indicator, operation indicator, cleaning indicator								
Safety	Dynamic purification and disinfection, harmless								

INDOOR AIR QUALITY

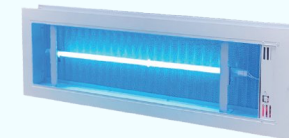
We Care Your Fresh Clean Air



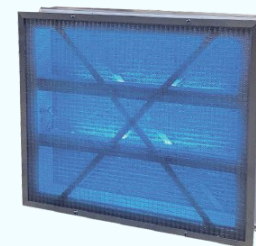
PHT UVC KIT



PHT UVC Kit For Air Duct



PHT UVC Kit For Duct Split or FCU



PHT UVC Kit For Air Handling Unit



Plugin PHT UVC Kit for Air duct or FCU

PHT UVC Kit

Hydrogen ion air disinfection technology is a kind of photocatalytic medium made of 100nm-300nm broadband photon wave generator and special polymer materials. Produce ions, electricity

CORE ADVANTAGES

01 Active And Comprehensive

The generated purification material is hydroxyl containing oxidant, which can react with pollutants in advanced oxidation to completely remove pollution and generate pollution-free water and carbon dioxide.

03 No Secondary Pollution

A variety of rare metal catalytic technologies are used to convert ozone and water into purification substances.

02 Low Ozone Concentration

Ozone is used as the intermediate product of purification substance, which is converted immediately after it is produced, so it can maintain a very low ozone content.

04 Quality Assurance

The power of each purification unit is not more than 25W.

Photo hydrogen ion air disinfection and purification machine

Sterilization rate more than **99.9%**

FUNCTION INTRODUCTION

- 1、Effectively kill harmful microorganisms: such as Staphylococcus albus, etc.
- 2、Decomposition of volatile organic compounds: benzene, formaldehyde, ammonia, TVOC and other chemical organic compounds.
- 3、Elimination of odor: odor produced by chemical reactions such as human respiration, sweat, urine and feces; mildew and decay of objects.
- 4. Kill inhalable suspended particulates in the air.

APPLICATION AREA

Public places of medical system	Public places of medical system,Hospitals, pharmaceutical factories, operating rooms,Isolation ward, blood station rehabilitation center, etc
workshop	Electronic factory, optical factory, plastic hardware coating factory, cosmetics factory, food factory, sanitary products workshop, etc
Office Building	Telecommunications, government buildings, banks, etc
public place	Station, airport, hotel, beauty salon, teahouse, supermarket, library, exhibition hall, etc



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PHT UVC Kit For Air Duct

For Air disinfeciton of AHU, Rooftop Unit, Ventilation system, etc.

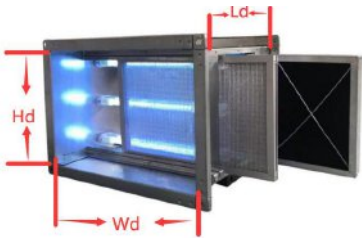
PRODUCT INTRODUCTION

PHT UVC Kit for Air duct include the shell, photocatalysis filter,UVC lamp, electric control.
Suitable for AHU, rooftop units, return air and fresh air duct, or ventilation system air return side air disinfection..

Product name	PHT Filter for air duct	Brand name	Dekon
Pressure Drop	10-20Pa	Air flow rate	500-35000m3/h
Power supply	220-50/60Hz	Power consumption	9W to 220W
UVC Lifespan	8000-10000h	Dimension	According to request
UVC Lightwave	254nm	Filter default	Tio2 filter+carbon filter
Application	Air duct for AHU, RTU	Filter optional	Micro-electrostatic filter

PRODUCT PARAMETERS

Model	Suitable air flow	Power supply	UV Tube qty	Tube Power	Duct inner WxHxLd-mm	Duct outer WxHxL-mm	Packing dimension WxHxL-mm	Filter
20"x14"	2000CFM	220-240V-1Ph-50/60Hz	2	25W*2	508*355*326	640*425*328	660*445*348	carbon filter+mesh TIO2 filter
20"x18"	3000CFM		2	25W*2	508*457*326	640*530*328	660*550*348	carbon filter+mesh TIO2 filter
24"x20"	4000CFM		3	30W*3	610*508*326	740*580*328	760*600*348	carbon filter+mesh TIO2 filter
26"x24"	6000CFM		3	30W*3	660*610*326	790*680*328	810*700*348	carbon filter+mesh TIO2 filter
32"x26"	1000CFM		3	30W*3	813*660*326	945*730*328	965*750*348	carbon filter+mesh TIO2 filter
26"x28"	8000CFM		4	25W*4	660*711*326	790*785*328	810*805*348	carbon filter+mesh TIO2 filter
38"x30"	12000CFM		4	40W*4	965*762*326	1095*835*328	1115*855*348	carbon filter+mesh TIO2 filter
44"x38"	20000CFM		5	40W*5	1118*965*326	1250*1040*328	1270*1060*348	carbon filter+mesh TIO2 filter



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FCU PHT UVC Kit

For Fan Coil Units Air Return Side

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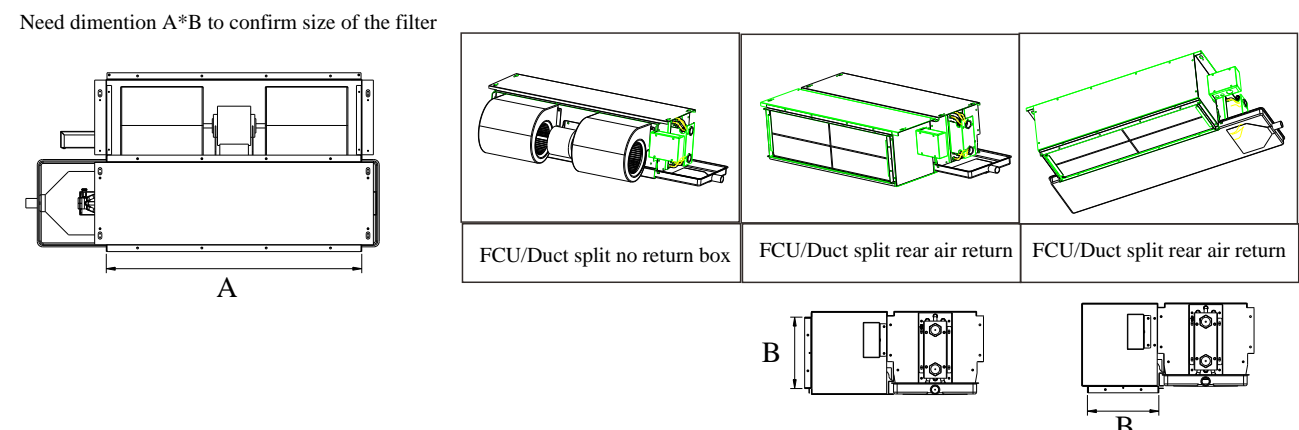
AHU PHT UVC Kit

For Air Handling Units build in Application



PRODUCT INTRODUCTION

PHT UVC Kit for FCU include the shell , photocatalysis filter, UVC lamp, electric control.
Suitable for fan coil unit or ventilation system air return side air disinfection..
Fan coil units or VRF Duct indoor unit brands suitable for:
CARRIER, TRANE, LG, YORK, HITACHI, DAIKIN, MIDEA, etc.



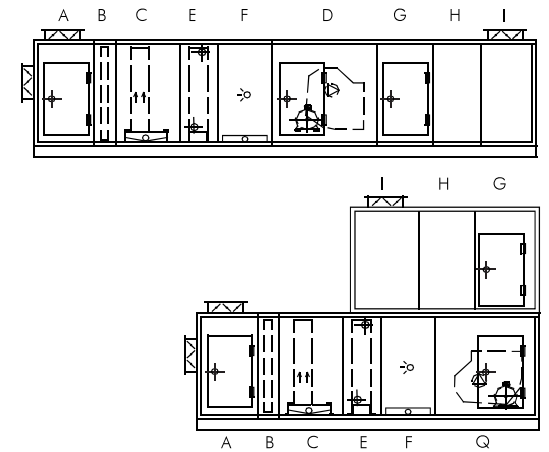
PRODUCT PARAMETERS

FCU PHT UVC Kit	
Air Flow Rate	300m³/h~4080m³/h
AHU Dimension	According actual request from project
Working Power	220V/50Hz
Power Consumption	According actual request from project
Pressure Drop	Less than 10Pa
UVC Lifespan	8000~10000小时
Disinfection Rate	≥99.5%
Optional	Active Carbon Filter

PRODUCT INTRODUCTION

AHU build in PHT UVC Air Disinfection Kit, suitable for any AHU having enough space to install this UVC Kit.
can be used to take place of medium bag filter of AHU(section H), low pressure drop, keep the coil clean prevent the
dust to block the coil, to reduce the service cost. PHT Kit include the shell, prefilter,UVC lamp, electrical control box.

- A- Mixing box
- B- Pre-filter section
- C- Cooling section
- D- Fan section
- E- Heating section
- F- Humidifier section
- G- Diffuse section
- H- Medium filter
- I- Supply air section
- J- Access section
- K- Heat wheel recovery section
- L- Fresh air section
- M- Discharge air fan section
- N- Return air section
- O- Return air section
- P- Bypass section
- Q- Supply air fan section



PRODUCT PARAMETERS

AHU PHT UVC Kit	
Air Flow Rate	500m³/h~80000m³/h
AHU Dimension	According actual request from project
Working Power	220V/50Hz
Power Consumption	9W~220W
Pressure Drop	Less than 15Pa
UVC Lifespan	8000~10000小时
Disinfection Rate	≥99.5%
Optional	Active Carbon Filter

We Care Your Fresh Clean Air

Plug in PHT UVC Kit

For Air Duct, FCU and Duct split VRF Indoor unit



LIST OF SOME PROJECT ACHIEVEMENTS



Beijing Airport



State Grid Jiangsu



Hospital Shanghai



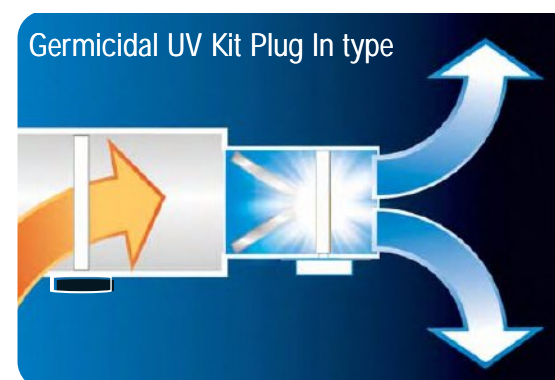
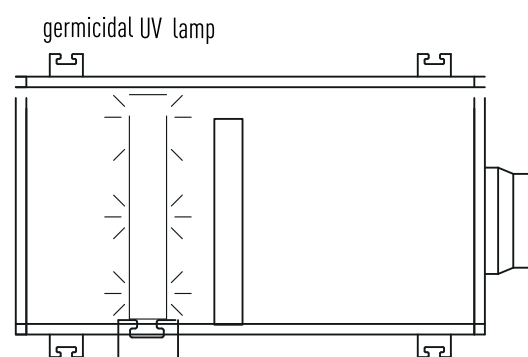
Schools



University

PRODUCT PARAMETERS

Model No.	JYL-FP-150	JYL-FP-280	JYL-FP-450
Dimension(mm)	200×196×92	340×196×92	490×196×92
Air volume(CMH)	340-680	700-2380	1000-5000
Power(W)	5	8	15
Dia for the plug hole	Φ 48-Φ 50mm		
Virus killing efficiency	95%-98%		
Light wave intensity	128uw/cm ²		
Power supply	200V/50Hz		
Working condition	0°C-45°C/ <90RH		
Pressure drop-Pa	5-10		



Shanghai Baolong Square	Beijing Aerospace Kingergarten	Yancheng Dongtai State Grid
Shanghai Jiantao Plaza	Fifteen schools in Beijing	Yancheng Xiangshui State Grid
Shanghai Hongmei Group	Fifteen schools in Chengdu City	Yancheng Funing State Grid
Shanghai Tobacco Building	Zhengzhou Airport District 10 schools	Yancheng Binhai State Grid
Shanghai Golden Eagle Group	Zhengzhou city No.101 middle school	Nantong Haian State Grid
Zhenjiang Baolong Square	Zhengzhou city No.34 middle School	Nantong Rugao State Grid
Nanjing Yuqiao market	Lianyungang State Grid	Nantong Qidong State Grid
Huai'an Wanda Square	Lianyungang Vocational Training base	Nandong Haian State Grid
Nanjing Aolin Square	Lianyungang East Sea State Grid	Nantong Rudong State Grid
Nanjing Wanda Square	Lianyungang Ganyu State Grid	Nantong Dongtai State Grid
Ten schools in Nanjing	Lianyungang Guannan State Grid	Nantong Haimen State Grid
Zhejiang Baolong Square	Lianyungang Guanyun State Grid	Yancheng State Grid
Taizhou State Grid offices	Wuxi State Grid	Wuxi Management Training center
State Grid Jiangsu branch(Suyuan Building, Material company, electricity power science institute, management training center,skills training center)		

Hospitals in China (Beijing Tongren hospital, Wuhan Jingzhou Changjiang hospital, Jinzhou infectious Disease Hospital, Chizhou Renmin hospital)