AIRQUALITY

MESP® Technology

MESP Solution to Fight COVID 

Indoor air sterilization & purification

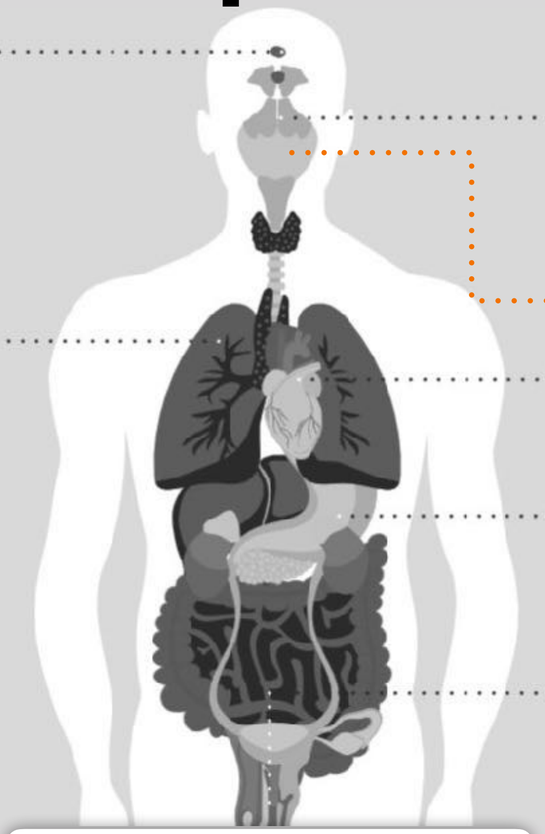
Fon Zhou

en.airquality.com

EXCLUSIVE AGENTS: MEGATRON LTD.TEL. 70009017 & 99626137 email: megatrontas@gmail.com

The air we breathe every day is not safe.

Indoor Air Clean Scope



Headache and anxiety (SO_2)

Impacts on the central nervous system (PM)

Irritation of eyes, nose and throat

Breathing problems (O_3, PM, NO_2, BaP)

Viruses and bacteria

Irritation, inflammation and infections

Asthma and reduced lung function (NO_2)

Chronic obstructive pulmonary disease (PM)

Lung cancer (PM, BaP)

Cardiovascular diseases (PM, O_3, SO_2)

Impacts on liver, spleen and blood (NO_2)

Impacts on the reproductive system (PM)

Remove gaseous pollutant

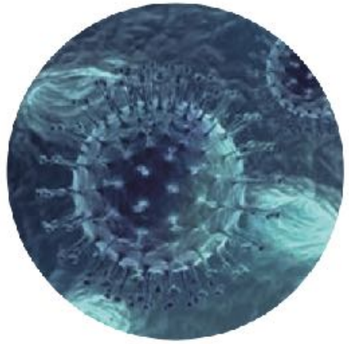
Remove particulate matters

Disinfect germs & viruses

- *Remove the source*
- *Neutralisation*
- *Ventilation*

Comprehensive Air Clean Solution

Pollutant Types in Indoor Air



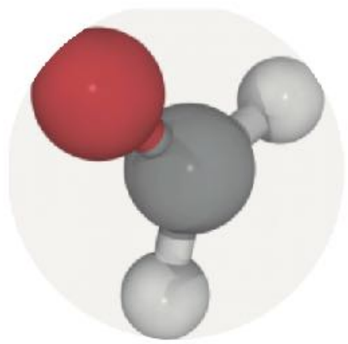
Viruses / Bacteria / Fungus

PM2.5 / Pollen

Air conditioner pollution

Lack of fresh air

Medical gas volatilization (eg. ozone)



Formaldehyde / TVOC / Benzene

The Analysis of Pollution

Pollutant	Source
PM2.5	1. Intrusion of atmospheric pollutants: nearby thermal power generation, combustion and other industrial activities; smog, sandstorms; car engines, road traffic erosion on the road surface, brakes and tire friction; chemical reactions between air pollutants in the air which forms secondary particles. 2. Human-to-human activities: human and pet dander, clothing; fuel and fumes of canteens and restaurants. 3. Central air conditioning ventilation system: Dust particles in the indoor air accumulate on the fins, filters and pipes of the central AC evaporator. Bacteria and other microorganisms use dust particles as carriers to rapidly reproduce and grow in the central AC system. The suitable temperature and humidity in the central air conditioner provide suitable environment for bacteria and other microorganisms growth. Outdoor air pollutants enter the room through open windows and doors, subsequently accumulate on the fins, filters and pipes of the central air-conditioning evaporator.
Viruses / Bacteria / Fungus	Human or animals: they can release a large number of microorganisms into the air through breathing, coughing,...etc. PM2.5 carries a large number of bacteria and other microorganisms. Human-to-human activities: The dander produced by human metabolism becomes a source of nutrients for the survival and reproduction of bacteria and fungi. Indoor environment: Carpets, wallpapers, sofas, mattresses, beddings and other upholstered furniture, kitchens and bathrooms can be possible places for living bacteria and fungi.
Ozone	Intrusion of atmospheric pollutants: Unlike the upper atmospheric ozone layer, ground-level ozone is a major component of photochemical smog. It is formed by the reaction of pollutants such as nitrogen oxides (NOX) released by vehicles and industrial plants, plus volatile organic compounds (VOCs) released by vehicles, solvents and industrial plants with sunlight. Ozone pollution is severe when there is plenty sunshine. Corona discharge: unqualified copiers, laser printers, negative ion generators, electrostatic and plasma devices.
NO_2	Natural-made air pollutant, the main source of man-made release of nitrogen dioxide is the combustion process (heating, power generation, and engines of motor vehicles and ships)
SO_2	Natural-made air pollutant, home heating, power generation and motor vehicles burn fossil fuels containing sulfur. The use of high chimneys in power stations cause widespread release of sulfur dioxide, causing pollution to the population far from the source of production. The increasing use of high-sulfur coal in many developing countries.
Positive Ion	Natural-made air pollutant, air conditioning systems, electromagnetic pollution

Air Pollutant Dimensions

Virus
0.02 - 0.5 μm

Bacteria (bacillus)
0.5 - 5 μm

PM2.5
< 2.5 μm

Red blood cell
7 μm

PM10
<10 μm

The dimension of COVID-19 virus is 0.1 microns in diameter, which is similar to the H1N1 virus. Viruses do not exist along in the air. It is always carried and transmitted by **aerosol**. The diameter of the aerosol is 0.3-10 microns. It means air clean is a critical requirement.

SARS-CoV-2 and Potential Airborne Transmission

The principal mode by which people are infected with SARS-CoV-2 (the virus that causes COVID-19) is through exposure to respiratory droplets carrying infectious virus.

Infections with respiratory viruses are principally transmitted through three modes:

- **Contact transmission**
- **Droplet transmission**
- **Airborne transmission**

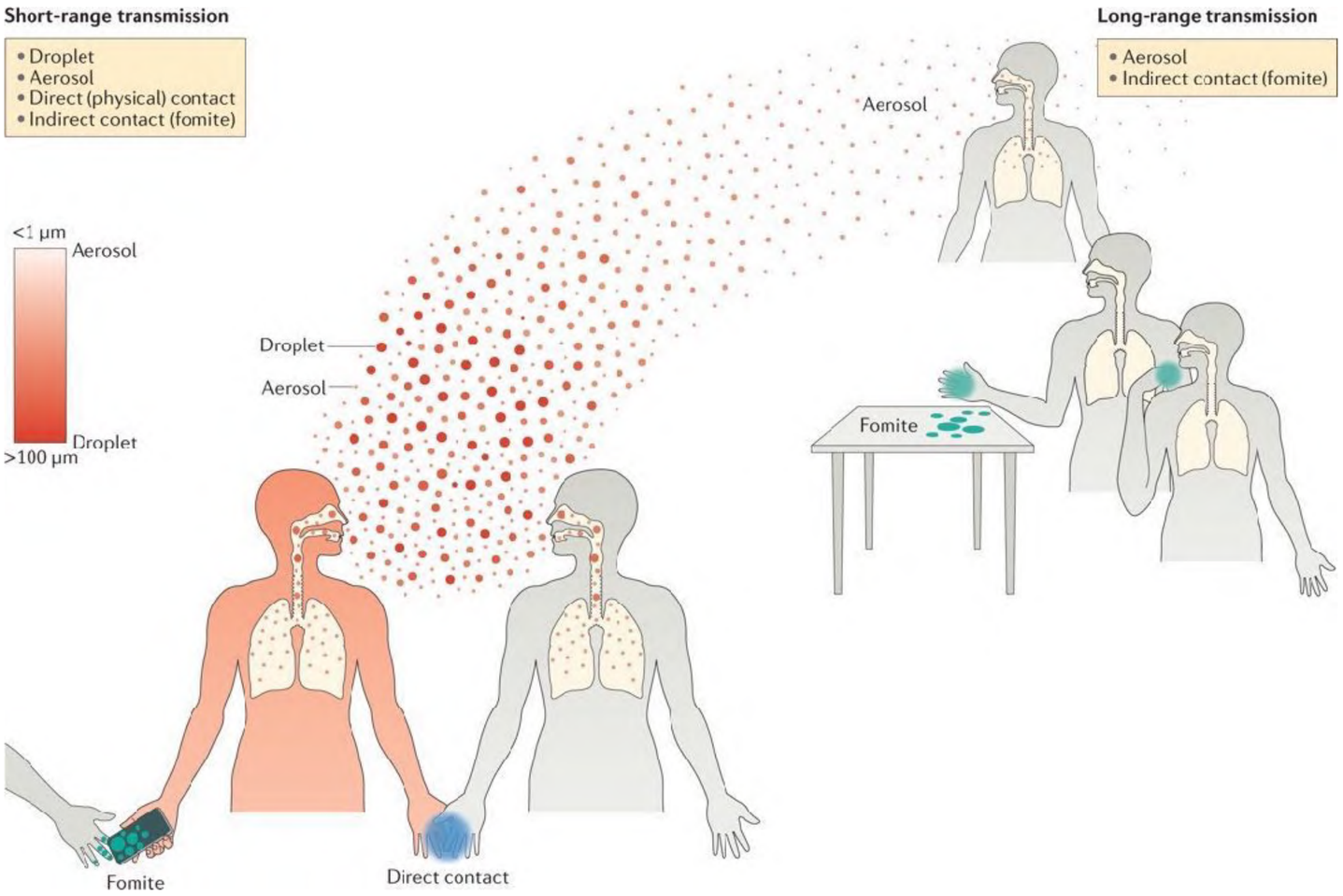
Measures

What else?

Air Sterilization

https://www.cdc.gov/coronavirus/2019-ncov/more/scientific-brief-sars-cov-2.html

Air Sterilization For COVID-19



www.nature.com

Requirements

- Capture air particles and aerosol to eliminate hidden viruses
- Inactivate viruses and bacteria
- Can work along with people
- No much maintenance cost

MESP® Technology

The Summary of Indoor Air Clean Technology

Ways to Improve Indoor Air Quality

- Establish smoking & eating area, preventing the spread of contamination.
- Purify air conditioning air, isolate infected persons, reduce cross-infection.
- Do not use toxic materials.

- Improved ventilation systems or equipment
- Increase fresh air circulation in order to increase the oxygen content in the air
- Reducing indoor pollutant concentrations.

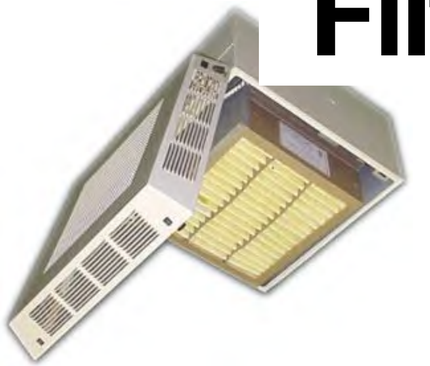
Install air purifier to remove particles, virus and bacteria to provide best air quality.

Traditional Filtration Solution

Plate Coarse F

1edium-Efficiency Filter

Media Filter



Media purifier

HEPA

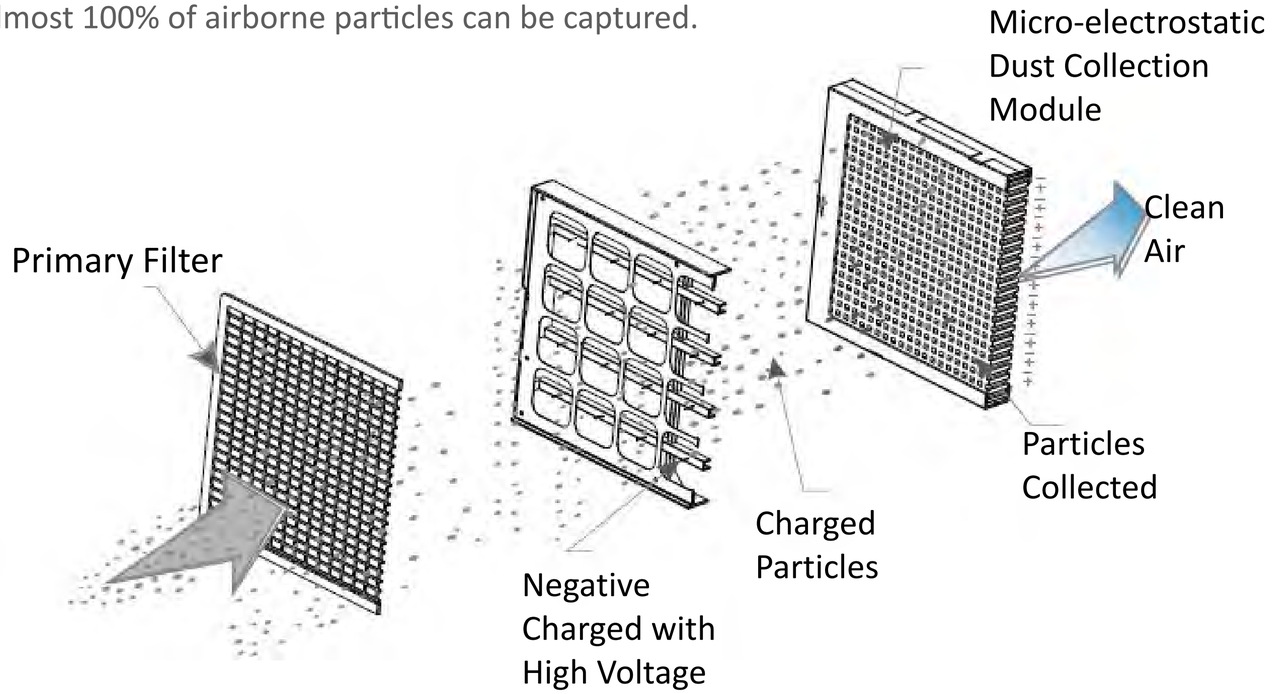
- Need to replace constantly, not cost-efficient for long term use
- Can not sterilize the air so perhaps cause secondary pollution
- High power consumption due to its high pressure drop

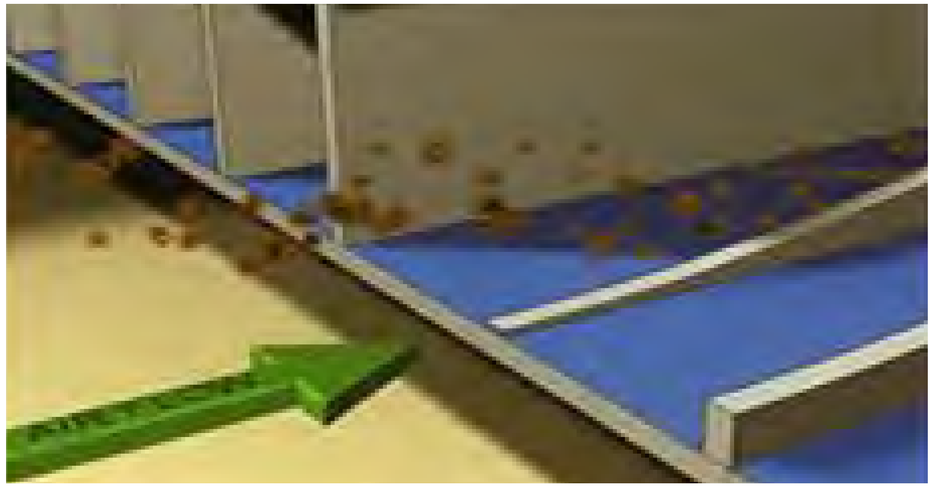
MESP

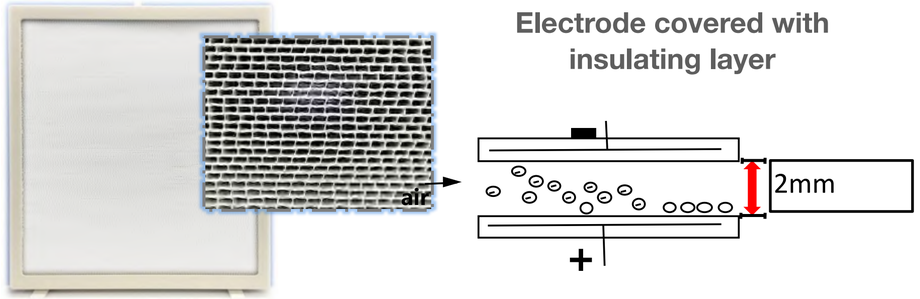
MESP® Technology

AirQuality MESP (Micro-electrostatic Precipitator) is a high efficient filtration that purify the air with unique intense field dielectric.

*Particles movement distance is shortened by 8 times, almost 100% of airborne particles can be captured.



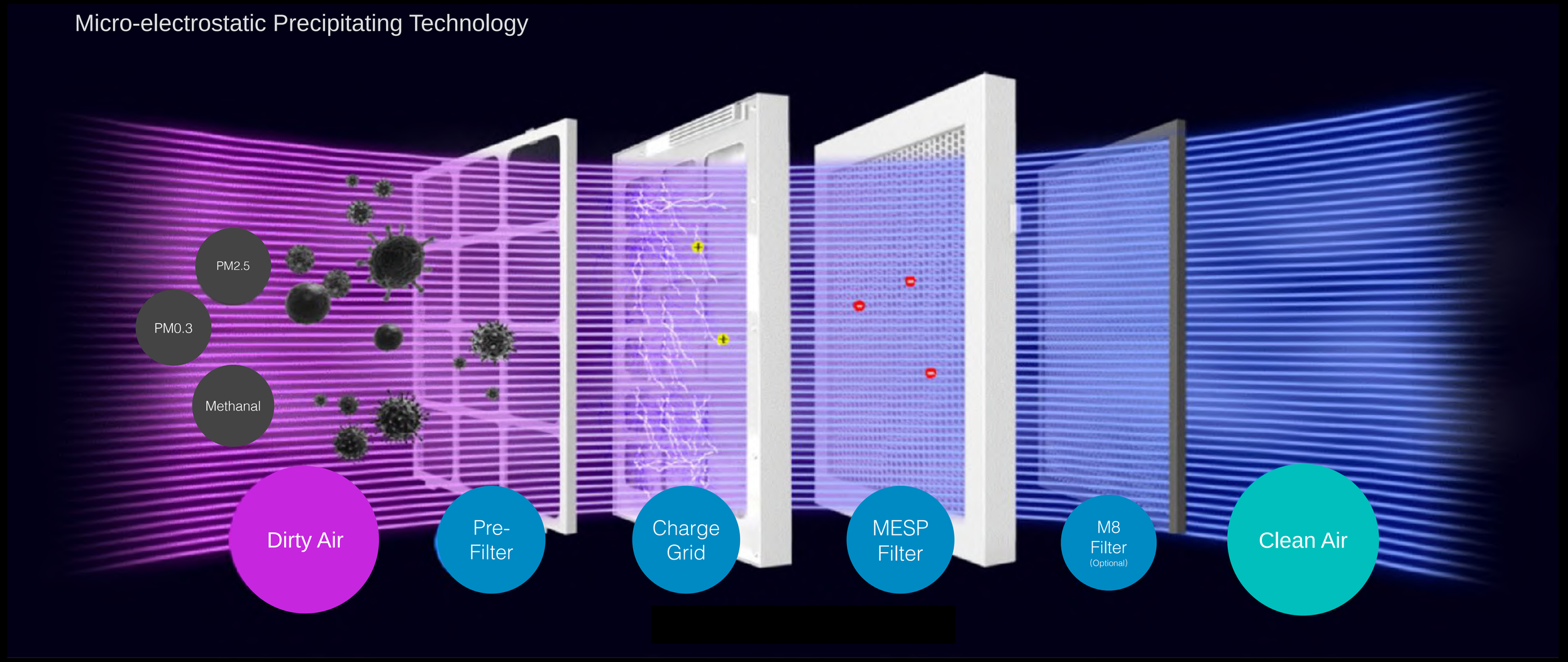




MESP Technology

MESP® Technology

Micro-electrostatic Precipitating Technology



Why MESP Air Sterilizing Purifiers

A new generation air purification technology

MESP® Technology

Air Sterilization & Purification

Washable Filter

High Efficiency

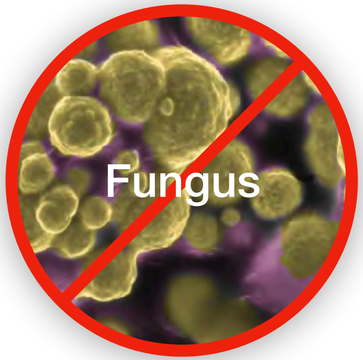
Safety

High Usability

Energy Saving

What Pollutant Can MESP Deal With?

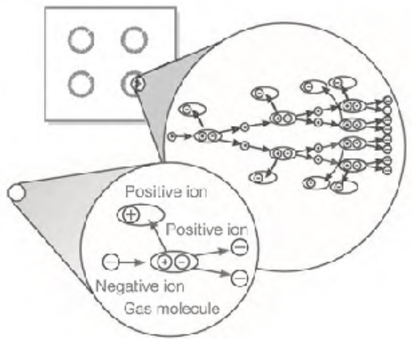
MESP® Technology



How Does MESP Work

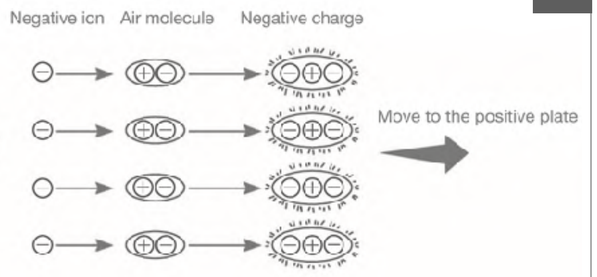
MESP® Technology

1



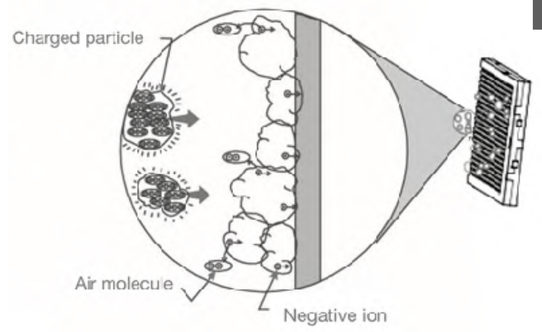
MESP uses a charge grid to generate a corona discharge and release high energy electronics with a voltage of -10.2KV. These electronics form an avalanche effect and generate more and more electronics. Finally they collide with air molecules to generate lots of negative ions.

2



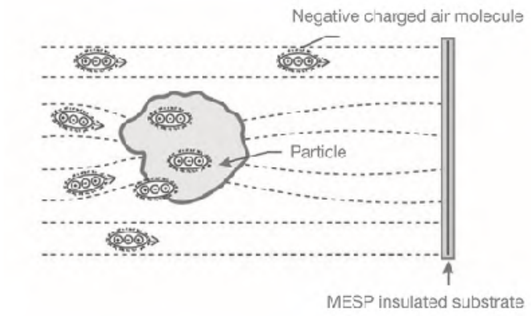
After being far away from the corona zone, the negative ions will be attracted by the surrounding air, so that the gas molecules will be negatively charged and move towards the MESP positive plate under the action of a strong electric field.

3



The negatively charged fine particles move to the positive plate under the action of the dense MESP matrix electric field, and are firmly attracted by it.

4



The fine particles will block the negatively charged air molecules from flying and stick them together. The fine particles continue to absorb negatively charged molecules until they are saturated. The fine particles thus carry enough negative charges.

Why MESP could kill virus and bacteria?

When bacteria and viruses pass through the micro-electrostatic filter, due to the high-voltage electrostatic effect of up to ten thousand volts, with the tiny potential difference between the bacteria and viruses from the outside to the inside, the high voltage will instantly destroy the cell wall of bacteria and the protein shell of viruses, thereby inactivated, instantly killed.

Test Report of Virus Killing

MESP® Technology

SGS

 Report No.: SHES201002002772

2.Refer to test standard: GB 21551.3 -2010 Annex A

Test item: air virus removal effect test

Clause	Item	Time	Test No.	Air virus concentration value $TCID_{50}/m^3$	Removal rate(%)
Annex A	H1N1 (A/PR/8/34) MDCK Cell	0(CK)	1	$2.44x10^6$	
			2	$1.94x10^6$	
			3	$2.44x10^6$	
		60 min	1	<97.3*	>99.99
			2	<97.3*	>99.99
			3	<97.3*	>99.99

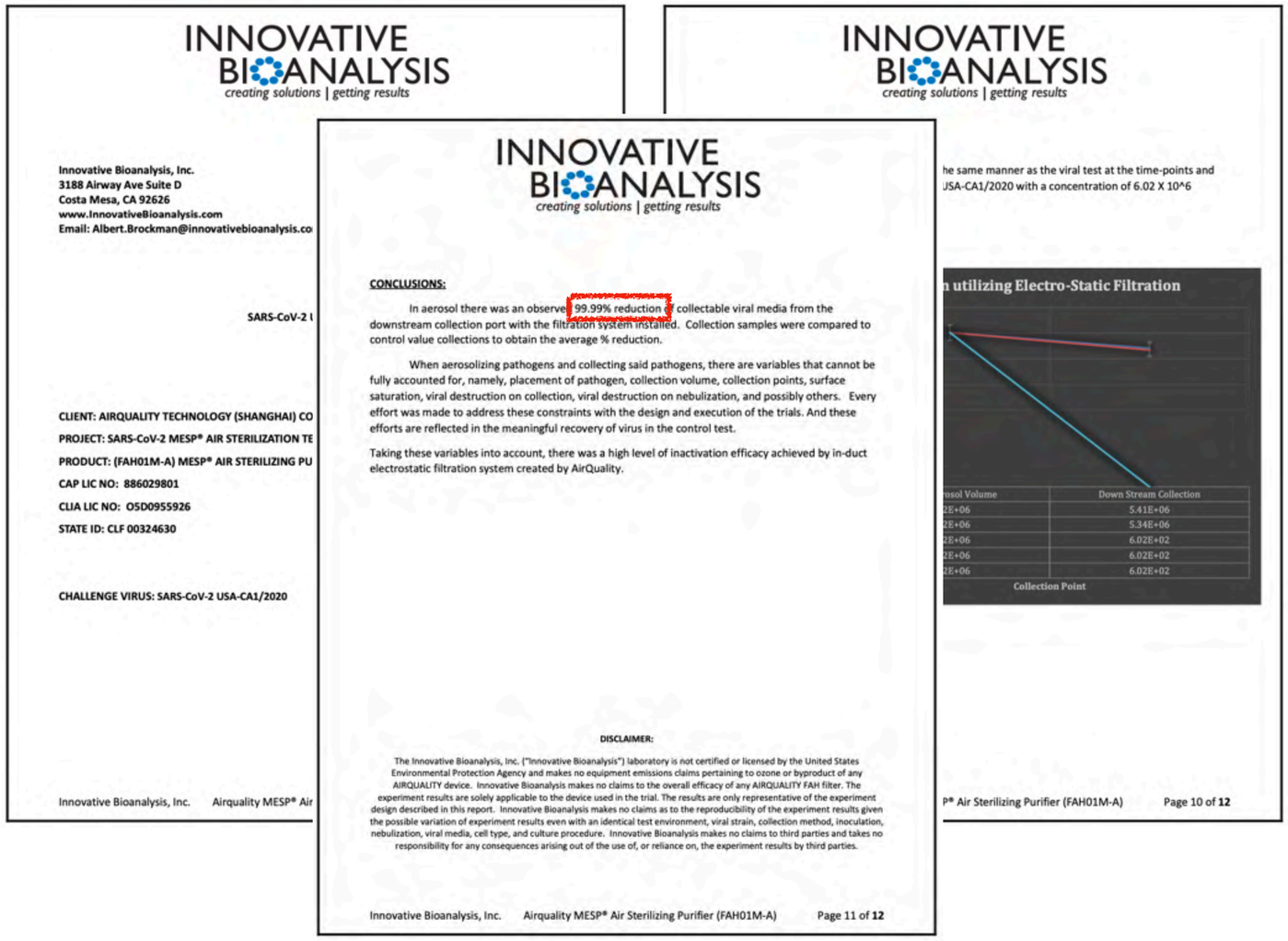
Note: Natural attenuation was taken into account for the calculation of bacterial removal effectiveness.

*: Limited value of measured equipement.

Conclusion

The test report from SGS, a well-known Swiss inspection, certification and testing organization, shows **99.99%** of H1N1 virus has beed killed by KJ MESP portable air purifiers.

Test Report of SARS-COV-2



INNOVATIVE BIOANALYSIS
creating solutions | getting results

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Costa Mesa, CA 92626
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Email: Albert.Brockman@innovativebioanalysis.co

SARS-CoV-2 (

CLIENT: AIRQUALITY TECHNOLOGY (SHANGHAI) CO
PROJECT: SARS-CoV-2 MESP® AIR STERILIZATION TE
PRODUCT: (FAH01M-A) MESP® AIR STERILIZING PU
CAP LIC NO: 886029801
CLIA LIC NO: O5D0955926
STATE ID: CLF 00324630

CHALLENGE VIRUS: SARS-CoV-2 USA-CA1/2020

Innovative Bioanalysis, Inc. Airquality MESP® Air

INNOVATIVE BIOANALYSIS
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CONCLUSIONS:

In aerosol there was an observed 99.99% reduction of collectable viral media from the downstream collection port with the filtration system installed. Collection samples were compared to control value collections to obtain the average % reduction.

When aerosolizing pathogens and collecting said pathogens, there are variables that cannot be fully accounted for, namely, placement of pathogen, collection volume, collection points, surface saturation, viral destruction on collection, viral destruction on nebulization, and possibly others. Every effort was made to address these constraints with the design and execution of the trials. And these efforts are reflected in the meaningful recovery of virus in the control test.

Taking these variables into account, there was a high level of inactivation efficacy achieved by in-duct electrostatic filtration system created by AirQuality.

DISCLAIMER:

The Innovative Bioanalysis, Inc. ("Innovative Bioanalysis") laboratory is not certified or licensed by the United States Environmental Protection Agency and makes no equipment emissions claims pertaining to ozone or byproduct of any AIRQUALITY device. Innovative Bioanalysis makes no claims to the overall efficacy of any AIRQUALITY FAH filter. The experiment results are solely applicable to the device used in the trial. The results are only representative of the experiment design described in this report. Innovative Bioanalysis makes no claims as to the reproducibility of the experiment results given the possible variation of experiment results even with an identical test environment, viral strain, collection method, inoculation, nebulization, viral media, cell type, and culture procedure. Innovative Bioanalysis makes no claims to third parties and takes no responsibility for any consequences arising out of the use of, or reliance on, the experiment results by third parties.

Innovative Bioanalysis, Inc. Airquality MESP® Air Sterilizing Purifier (FAH01M-A) Page 11 of 12

INNOVATIVE BIOANALYSIS
creating solutions | getting results

he same manner as the viral test at the time-points and
JSA-CA1/2020 with a concentration of 6.02 X 10^6

n utilizing Electro-Static Filtration

rosol Volume	Down Stream Collection
2E+06	5.41E+06
2E+06	5.34E+06
2E+06	6.02E+02
2E+06	6.02E+02
2E+06	6.02E+02

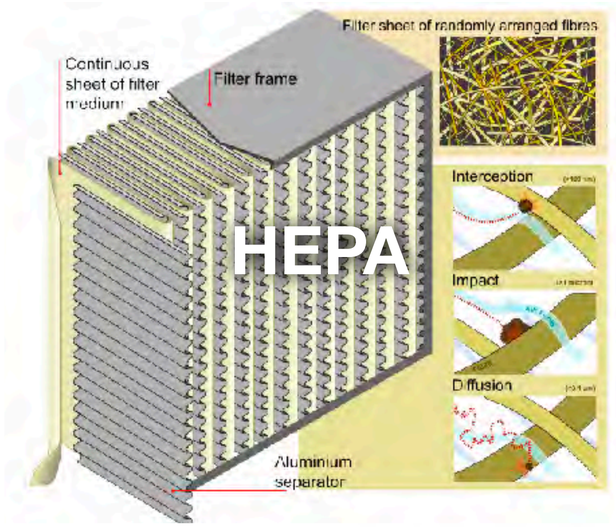
Collection Point

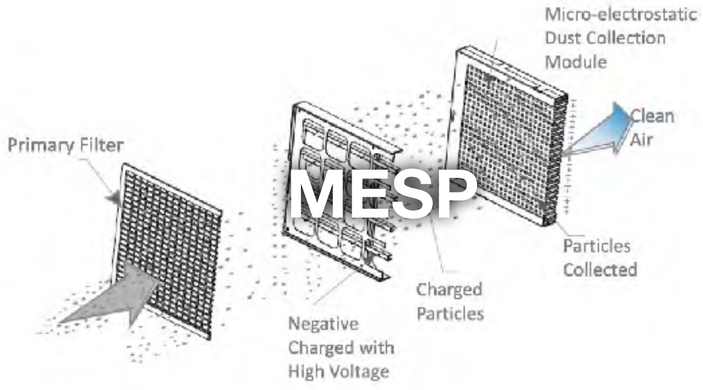
P® Air Sterilizing Purifier (FAH01M-A) Page 10 of 12

CONCLUSIONS:

Through the course of the three air flow passes conducted and average of **99.99% of SARS-COV-2 virus** reduction was observed.

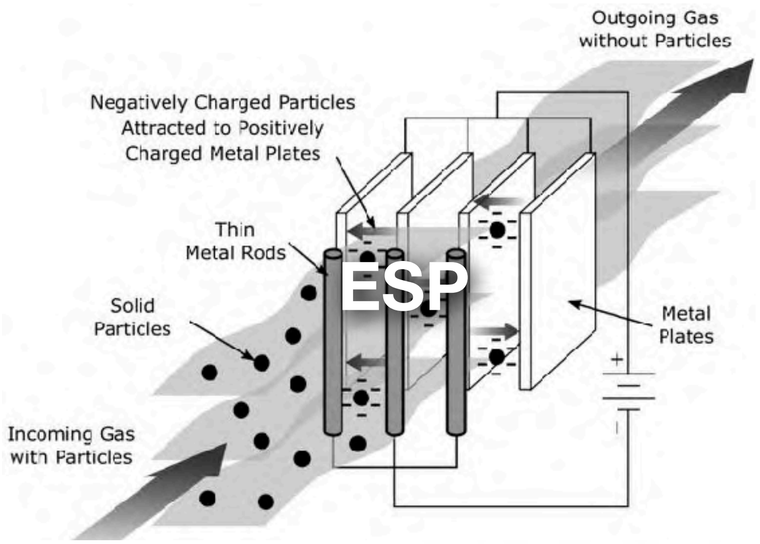
MESP VS HEPA

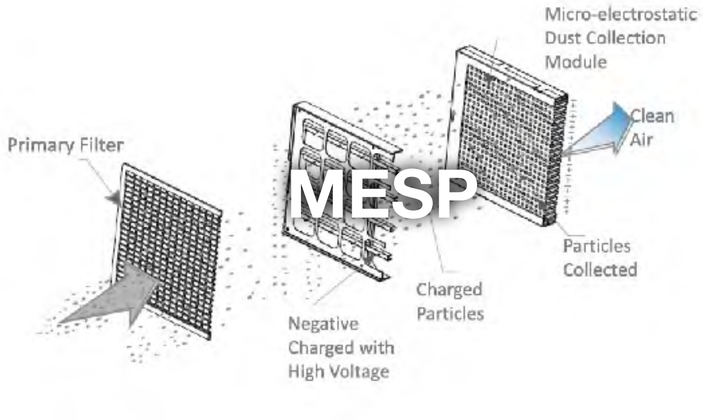




	HEPA	MESP
Pros	• Higher purification efficiency • No need to install	• Washable and reusable • Can sterilize the air • Higher usability (working temperature from -15°C to 48°C and humidity up to 95%) • Much lower power consumption • Fire prevention • Environmentally friendly
Cons	• Need to replace thus not cost-efficient • Can not sterilize the air so perhaps cause secondary pollution • Not applicable for low temperature and high humidity • High pressure drop and limited applicability (e.g. can't be used for FCU) • Inflammable • Pollute the environment	• Higher initial investment than HEPA • Need to install

MESP VS ESP



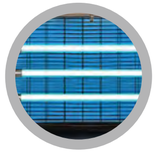


	ESP	MESP
Pros	• Even lower pressure drop than MESP • Lower cost than MESP	• Larger dust collection area thus higher dust holding capacity and higher efficiency • More healthy with few ozone generation • Better user experience without spark & arc • Higher usability (working temperature from -15°C to 48°C and humidity up to 95%) • Lower power consumption than ESP • Higher robustness and low maintenance cost • Higher electrical safety • No efficiency loss after repeated washing(-1.3%/100 times) • Smaller size, lighter weight, easier to install
Cons	• Lack of dust collection area thus lower efficiency • Harmful byproducts like ozone issue • Spark & arc issue • High requirements for humidity and temperature • The tungsten wire is easy to break thus the maintenance cost is higher • Efficiency decrease after washing • Larger size, heavier(all metal), not easy to install	• A bit higher pressure drop than ESP • Higher cost than ESP

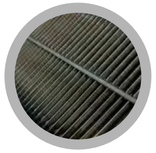
MESP vs. Other Technologies

MESP® Technology

Pros: Lower initial investment
Cons:
- Cannot sterilize, can only remove particulates
- Ash accumulation on the filter
- Risks of bacteria and viruses breeding on the filter
- High air resistance leads to high power consumption

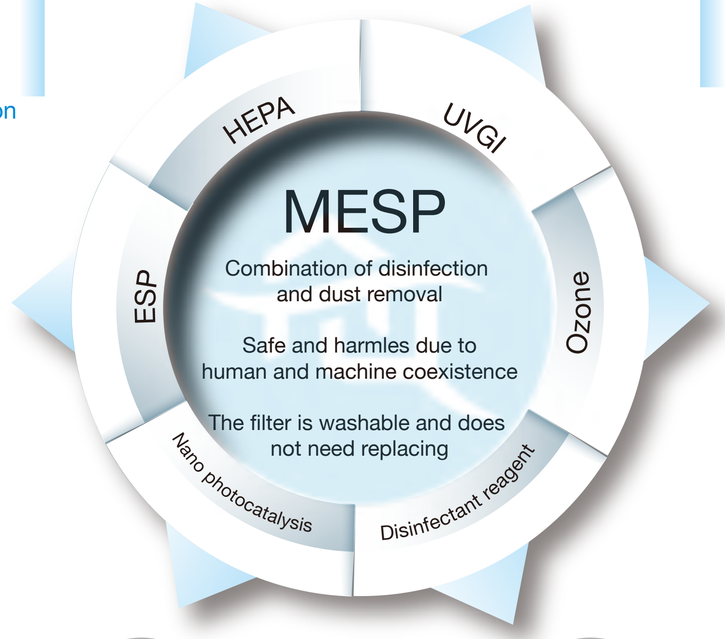


Pros: Can sterilize the air and Object surface
Cons:
- Cannot remove particulates
- Harmful to UV rays
- The disinfection is effective only within the range of high intensity and long term exposure
- High cost
- Can not work around people because of its harmful radiation and ozone generation



Pros: Sterilization and dust removal
Cons:
- Release hazardous ozone
- Cause spark and arc

Pros: Can sterilize the air and Object surface
Cons:
- Cannot remove particulates
- Because of its strong oxidizing and toxic properties, this method is not suitable around people



Pros: Small and convinient
Cons:
- Not effective as it does not eliminate dust, only deodorization
- Risks of strong oxidizing and UV radiation

Pros: Widely used
Cons: Do not remove dust.Time-consuming, labor-intensive and toxic.

UVGI+HEPA Is Not Perfect Solution

MESP® Technology

UVGI+HEPA is a very popular solution for indoor air sterilization. It uses HEPA filter installed on air conditioning system to purify the air, the viruses and bacteria will be captured with the airborne particulates by HEPA filter, and then uses UVGI to sterilize the HEPA filter. It works but still not a perfect solution.

- **High cost with double initial and continuous investment**
- **High pressure drop HEAP filter inherently possessed results in low purification efficiency and high energy consumption of AC system**
- **Not environmentally friendly** (HEPA and UVGI equipment are both consumable material)
- **Long time UV irradiation may impact on the physical and chemical properties of media filter, which leads to worse purification efficiency** (Reference)
- **Particles/dust come along with air flow will quickly cover the UV lamp and shorten its service time** (Reference)

MESP has fixed these issues !!!

Products and Solutions

MESP® Technology

Solutions

MESP IAQ Product Lines

MESP® Technology

FCU Purification

F

FFC

Stand-alone Purification

F

FFC-ABH

Portable Purification

D

KJ

Air Curtain Purification

F

FSA23M

Ceiling Purification

D

FSA

Fresh Air Purification

F

FFA

Duct Purification

F

FAD

AHU Purification

F

FAH

IAQ TV

IAQ Monitor

AMG

KJ Series | Portable Air Sterilizing Purifiers

MESP® Technology

KJ300

KJ400

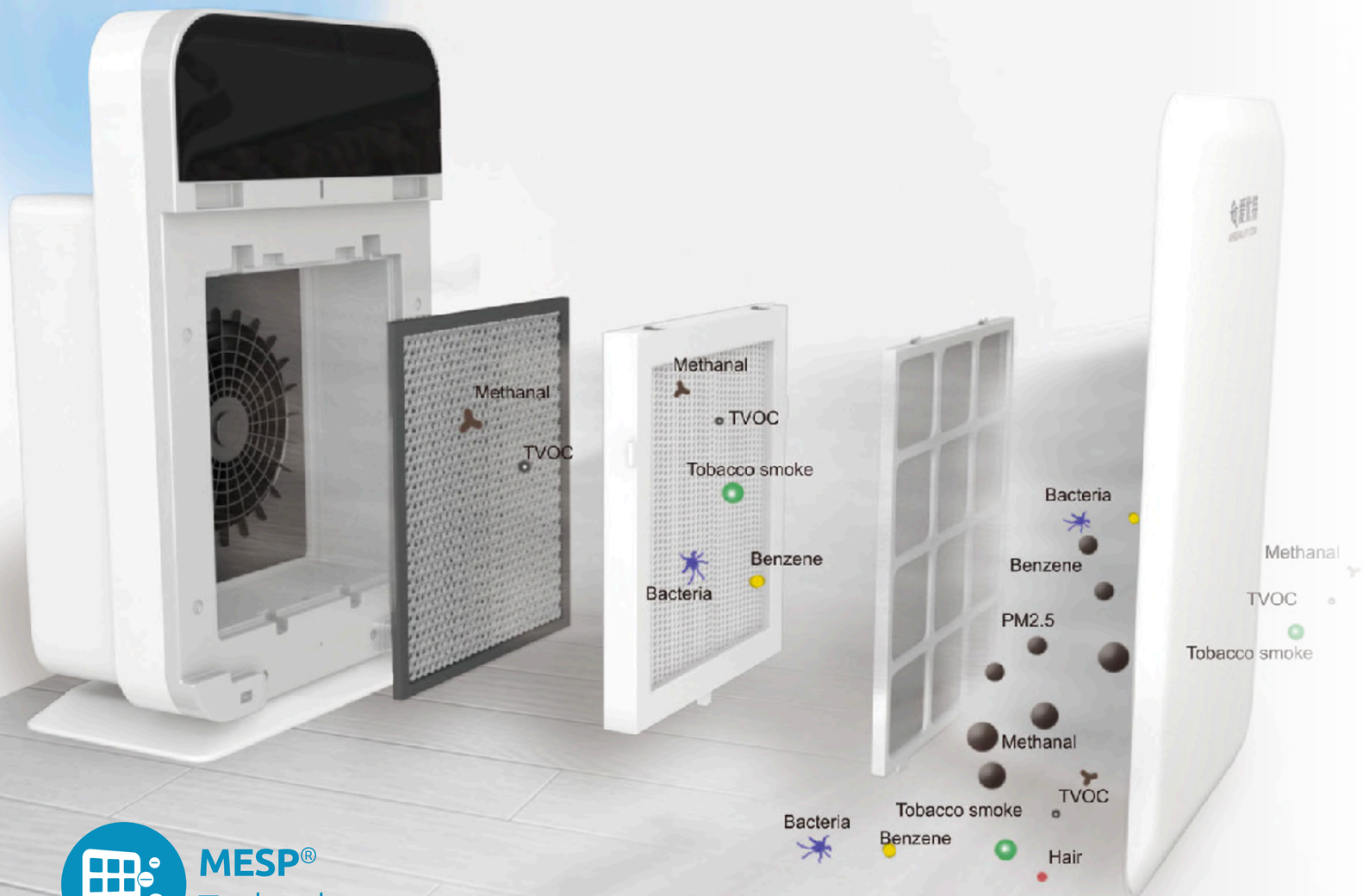
KJ500

KJ750

Features

- Efficient removal of PM2.5, virus, bacteria, pollen, allergen and other particulate pollutants
- Kill 99.99%+ of viruses and 99.96% of bacteria, remove 99.9% of particulates
- No material consumption, the filter is washable, no need to replace
- Release negative Ion to keep refreshing the air
- M8 methanal filter steadily adsorbs and decomposes methanal and other harmful chemical gases
- "Surface design" of front panel expands air volume at the bottom and effectively purifies sedimentary pollutants at the bottom
- Low running noise, as low as 34dB in silent mode, and even lower in sleep mode
- Built-in particle sensor, indicator light displays air quality, automatically regulate air speed, and intelligent prompt of cleaning
- Low energy consumption, safe and power-saving
- Magnetic buckle panel is easy to disassemble, assemble and clean

Clean Air



MESP®
Technology

CE RoHS

EMC LVD

CEP AFTL

CNCF IP54

太平洋保险 CPIC ISO

LMS SIMT 上海计量测试

SGS CQC

FAH Series | Air Sterilizing Purifier For AHU

MESP® Technology

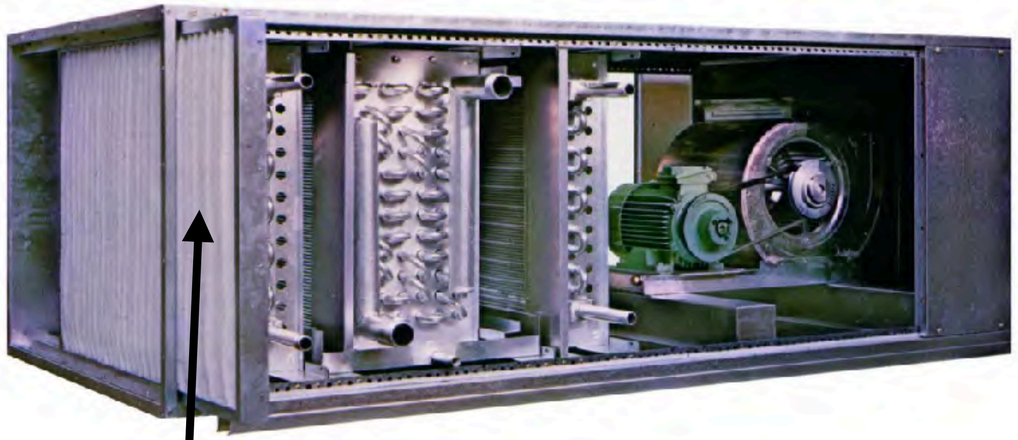
UL LISTED E477054

Features

- High-efficiently kill viruses and bacteria (Above 99.96%)
- High-efficiently remove air particles (Above MERV 14)
- No material consumption, the filter is washable, no need to replace
- Low energy consumption, safe and power-saving
- Replace traditional bag filter section of AHU， low air resistance
- One-time purification efficiency is up to over 95%
- Protect AHU and prevent filth blockage of air-conditioning system from affecting effect of refrigeration and heating
- Lifetime washing of Micro-Electrostatic filter avoids replacement and substantially cuts down cost of consumables
- PRAX intelligent power module stabilizes voltage output and ensures maximum purification efficiency
- Multiple control boxes and junction boxes are optional
- Flexible installation: Installation in air duct is acceptable

AHU Filtration

MESP® Technology



A typical air handling unit

FAH Series
MESP Air Conditioning Sterilizing Purifiers for AHU

It's a large Market.

- Yearly Production: **4 mil. units (2021)**
- Existing Devices: **40 mil. units**

√X

- High pressure drop
- High maintenance cost
- High power consumption
- Not environmentally friendly
- No sterilization function

√X

- Medium efficiency
- Higher power consumption than MESP

√

Best Choice

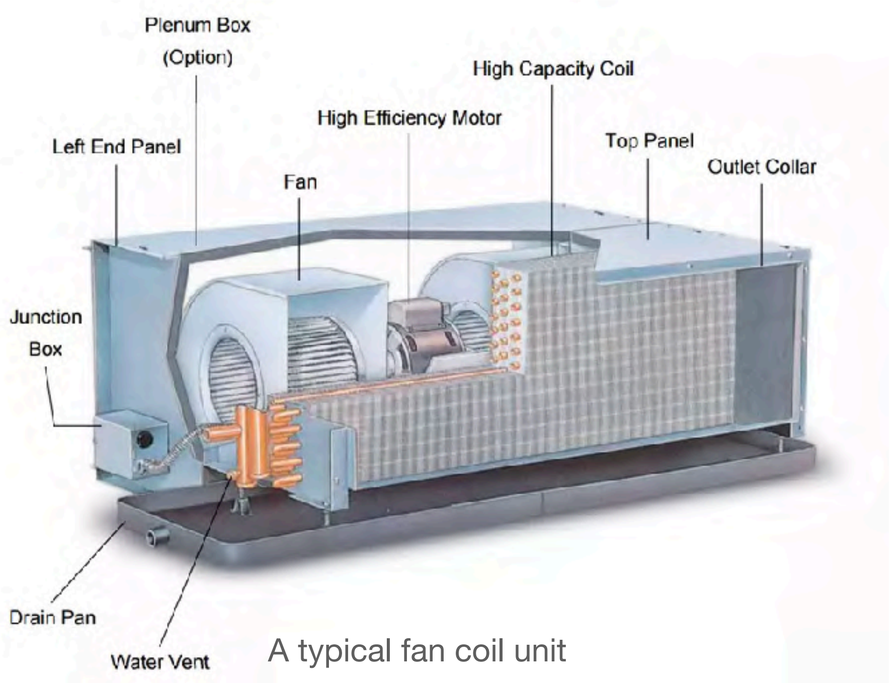
FFC Series | Return Air Sterilizing Purifier for FCU

MESP® Technology

Features

- High-efficiently kill viruses and bacteria (Above 99.96%)
- High-efficiently remove air particles (Above MERV 14)
- No material consumption, the filter is washable, no need to replace
- Micro-Electrostatic technology, 0 space occupation, 0 material consumption, 0 noise and 0 ozone
- Remove 99% of PM2.5, methanal, influenza virus and other air pollutants
- Concealed in return air inlet of central air-conditioning without destroying decoration and occupying floor space
- Prevent influence on return air effect of air-conditioning with ultralow air resistance
- Clean without dead angles by three-dimensional circulation
- Reduce energy consumption, and avoid affecting effect of refrigeration and heating for filth blockage of coil
- Intelligent control, linked to fan coil, purify when air flows and stop when air stops
- Comprehensively adaptive to fan coils of internal unit, etc. of fluorine and water systems

MESP is Only Choice for FCU filtration



A typical fan coil unit

FFC Series MESP Air Conditioning Sterilizing Purifiers for FCU

It's a HUGE Market.

- Yearly Production: **3 mil. units (2021)**
- Existing Devices: **30 mil. units**

✗

- Can not adapt to it due to its high pressure drop

✗

- Ozone issue
- Bad user experience with arc and spark

√

Only Choice

FAD Series | Air Duct Sterilizing Purifier

MESP® Technology

Features

- High-efficiently kill viruses and bacteria (Above 99.96%)
- High-efficiently remove air particles (Above MERV 14)
- Low efficiency loss with high speed air flow
- Fit in running environment of high humidity
- Run with Safer and more stable performance
- More option for different air volume
- Excellent one-pass particle removal rate
- Repeatedly wash with no material
- Can use instantly after wash
- Low energy consumption with pneumatic switch
- Flat module for easy installation.

FSA Series | Ceiling Mounted Air Sterilizing Purifier (Stand Alone)

MESP® Technology

Features

- High-efficiently kill viruses and bacteria (Above 99.96%)
- High-efficiently remove air particles (Above 90%)
- Ceiling Mount without floor occupation, run immediately after installation, easy to maintain.
- Simple embeding design fits in all occations
- Run independently in big air volume with fan component, no need to pneumatically linked with Central AC system.
- Repeatly large air circulation through big air inlet in center, flanked by four long and narrow air outlets.
- Long Maintenance cycle, high removal rates for both particles and methanol.
- 0 material waste, 0 ozone and 0 noise, stable performance endorsed by several authorative certificates.
- Low energy consumption, huge amount of negative ion brings pleasant feeling for end users.
- Several control methods are optional: Self-control, remote control

FFA Series | Fresh Air Sterilizing Purifier

MESP® Technology

Features

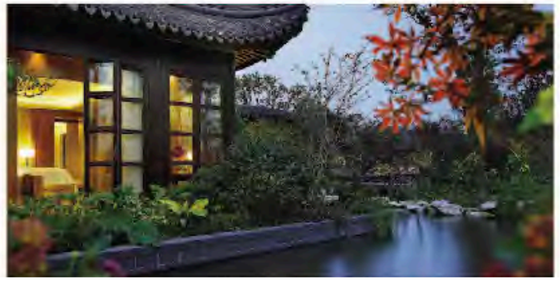
- High-Repeatedly washable filter lasts up to 35000 hours and has big adsorption area and dust-holding capacity.
- MESP technology can purify PM2.5 efficiently and also kill bacterial.
- Smart link with Fresh Air Purification system and automatically.
- Switch on and off by detecting actual pollution status.
- Heat recovery fresh air purification system.
- Innovative MESP technology need no replacement.
- Thin body design for comfortable and quite experience and easy installation.
- With realtime status indication and prompt for filter cleaning.
- High static pressure and low energy consumption with long distance 360° air delivery.
- Prax solid-state power can generate "ecological" onion.
- Easy to wash and maintain, can put back and use immediately after wash.

Case Study

Top Projects

Beijing Winter Olympics Organizing Committee Office, 2022

Beijing New Airport, 2019



Xizi Hotel, G20 Summit in Hangzhou, 2016

Xi’an Greenland Plaza, 2015

Qingdao Shanghe Summit, 2018

Man-made Island of Hong Kong-Zhuhai-Macao Bridge, 2017

Yanxihu Hotel, Beijing APEC, 2014

Shanghai Disney, 2013

See more projects at https://en.airquality.com/projects.shtml

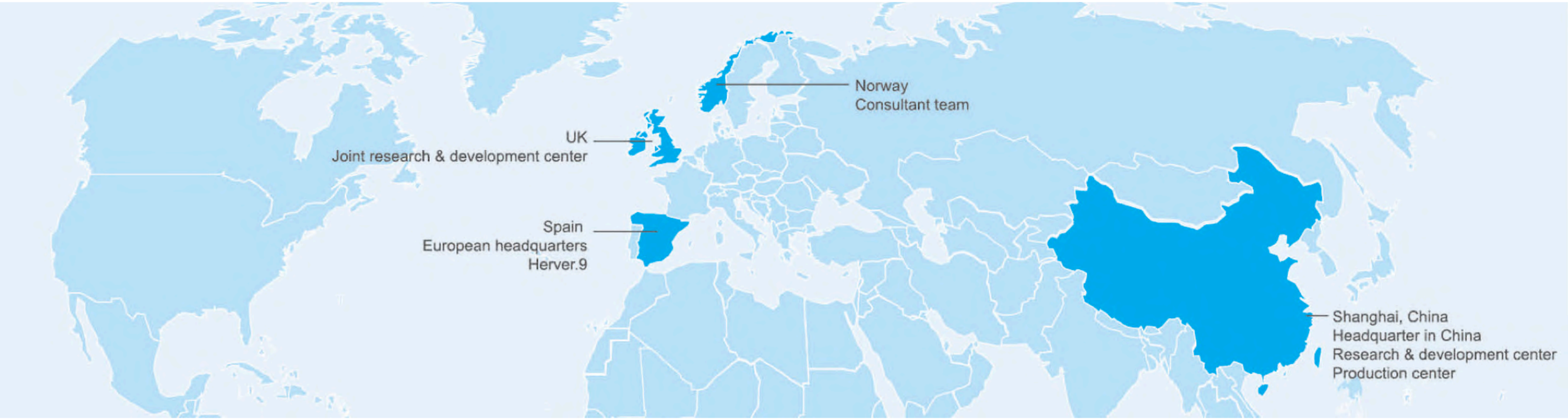
AQT Donations for Hospitals to Fight COVID

More Hospitals with AQT Donation

Xi'an Public Health Center
Junxian People's Hospital, Hebi City, Henan Province
Central Hospital of Lankao County, Henan Province
Xianfeng Traditional Chinese Medicine Hospital of Hubei Province
Enshi Xianfeng People's Hospital of Hubei Province Qingping Town Health Center, Xianfeng County, Hubei Province
Xianfeng Traditional Chinese Medicine Hospital of Hubei Province
Shirun Nephropathy Hospital, Xianfeng County, Hubei Province
Hospital of Gaoleshan Town, Xianfeng County, Hubei Province
Maternal and Child Health Hospital of Xianfeng County, Hubei Province
Central Hospital of Pingbaying Town, Xianfeng County, Hubei Province
Jindong Township Health Center, Xianfeng County, Hubei Province
Central Hospital of Qujiang Town, Xianfeng County, Hubei Province
Hospital of Chaoyangsi Town, Xianfeng County, Hubei Province
Hospital of Daluba District Work Committee, Xianfeng County, Hubei Province
Hospital of Zhongbao Town, Xianfeng County, Hubei Province
Tangya Town Health Center, Xianfeng County, Hubei Province
Beijing Ditan Hospital, Capital Medical University Vulcan Mountain Command Center
Wuhan University People's Hospital
Hubei Provincial Hospital of Traditional Chinese Medicine Suizhou Central Hospital
Hongshan Gymnasium Square Cabin Hospital
Wuhan Staff Sanatorium
Wuhan First People's Hospital
Jinan Seventh People's Hospital
Jinan Traditional Chinese Medicine Hospital of Jinan City
Zaozhuang Municipal Hospital
Jingmen Second People's Hospital
Yellowstone Nonferrous Hospital
Shanghai Long March Hospital
Shanghai Oriental Hepatobiliary Hospital
Guanggu District, Tongji Medical College, Huazhong University of Science and Technology, Wuhan Sichuan Academy of Medical Sciences
Jinchuan Staff Hospital of Gansu Province
Shangrao Second People's Hospital
People's Hospital of Guangxin District
Wuhan Xiehe Hospital
Hongshan Square Cabin Hospital
Fangcai Hospital of Wuchang District
Thunder Mountain Command
Shangrao People's Hospital
Shangrao Second People's Hospital
Shangrao Municipal Hospital
People's Hospital of Guangxin District
Maternal and Child Health Hospital of Guangxin District Medical
Team of Zhongshan Hospital Affiliated to Fudan University (East Hospital of People's Hospital of Wuhan University)
Xiaogan People's Hospital
Yichang Central Hospital
Yichang First People's Hospital
Hong'an County Traditional Chinese Medicine Hospital Suining
Hospital of Traditional Chinese Medicine
Linyi People's Hospital of Shandong Province Shenzhen Second Hospital
The University of Hong Kong Shenzhen Hospital
People's Hospital of Jiangsu Province People's Hospital
Wuhan Taikang Hospital
Guanggu District, Hubei Maternal and Child Health Hospital

AirQuality Technology

About Us



AirQuality Technology is a leading air purification and sterilization company originated in Spain and headquartered in Shanghai, ranking top 10 air purification brand in China and top CleanTech Company in APAC 2020. AirQuality provides MESP indoor air sterilization purifiers and kitchen exhaust systems for residential and commercial clients all around the world.

AQT Group

AIRQUALITY

CIA

Calidaddelaire

AIRQUALITY

History

1982

Herver-9 company established, mainly engaged in electronics, power supply, transformer products

1996

Herver-9 Group was established and set up Electrostatic Air Purification Department with brands AirQuality/Calidaddelaire.

2006

Herver-9 is a high-voltage electrostatic purifier for the municipal project in Madrid, Spain. With a wind capacity of 3.6 million m3/h, it is the world's largest single electrostatic purification system.

2011

Herver-9 jointly established AirQuality Air Technology (Shanghai) Co., Ltd. with Super Merit Holdings Limited in China.
Herver-9 set up a joint venture in Hong Kong to operate electrostatic air purification of municipal projects.

2012

Herver-9 built Prax factory in Wuxi to produce electronic components, including power module for purifier.

2014

AirQuality Air Technology (Shanghai) Co., Ltd. increased its capital and established air purification R&D Center and assembly workshop in Shanghai.

2015

AirQuality China launched Micro-Electrostatic precipitator products, realizing large-scale application of brand-new Micro-Electrostatic precipitator technologies.

2016

AirQuality developed systematic indoor air solution for Central Air Conditioning System.

2017

The company officially launched the service of “Turn Air Conditioner into air purifier instantly”,opening up a new blue sea in air purification industry.

2019

Airquality roll out new"Auto-wash" Series of kitchen Exhaust System

Awards

APAC 25

TOP CLEANTECH STARTUPS IN APAC
Awarded by STARTUPCITY

TOP 10
China Air Filtration Brand

Little Giant

Certifications

AIRQUALITY

Take a deep breath!

Powered by MESP® Technology

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