

ISO 9001
CERTIFIED

Air purifier that does not require filter replacement /
cleaning which is exclusively for cooking emissions

khanpure



Certificated emission control devices for
cooking by the New York City DEP, USA.



Performance Certified by the Ministry
of SMEs and Start-ups in Korea

Khanfilter
Regenerative Air Filter Company

Annual death toll from cooking emissions resulting from cooking foods

3,800,000 persons

Source: WHO(World Health Organization)

Cooking emissions are the next air quality issue that threatens the healthy lives of mankind, following diesel particulate and cigarette smoke



Cooking emissions, one of the Group 1 carcinogens designated by the World Health Organization (WHO)

- 90% of lung-cancer women are non-smokers, and cooking emissions are the main cause of their cancer
- When cooking foods, a lot of harmful substances, such as fine dust, VOCs, and formaldehyde, are generated



Cooking emissions are the biggest source of ultrafine dust

- Cooking emissions are the number one source of ultrafine dust in the city. (California EPA, USA)
- Grilling one hamburger patty = Diesel truck running 230km



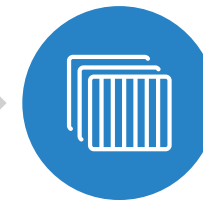
The concentration of ultrafine dust generated when grilling meat was recorded to be up to 1,013µg/m³

- The ultrafine dust concentration of 1,013µg/m³ measured while cooking is over 13 times the level of "very bad."

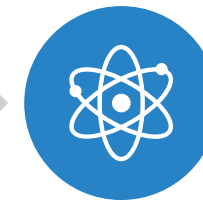
In the oil mist / odorous environment,
the only sustainable solution, Khanpure



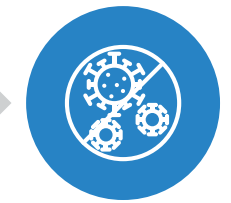
Cooking emissions
Find dust
Odor



Ceramic filter
(Filtering)



Catalytic reaction
(Self-cleaning)



Filter
automatic cleaning
and 100% sterilization

**Performance
Maintenance
Tech.**

Reduces fine dust, odors, viruses, etc. by more than 90% by applying automobile DPF technology.

Even in environments with a lot of water vapor and oil fume, it maintains continuous performance.

Self-cleaning technology enables to maintain performance without washing filters separately.

**Carbon
Neutral
Tech.**

Zero generation of waste water, zero generation of waste.

Self-cleaning technology through catalytic reaction regenerates the filter.

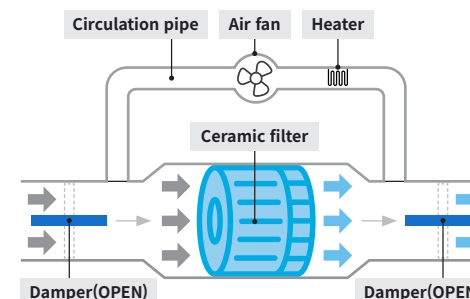
The ceramic filter can be used semi-permanently. Maintenance cost is saved (Energy usage is 1/6 and installation cost is 1/2.).

**All-in-One
Tech.**

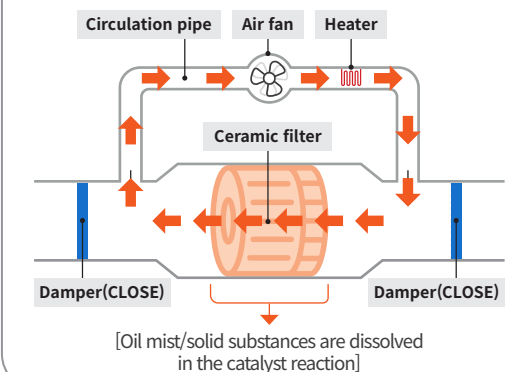
Ceramic filter with excellent porosity adsorbs not only fine dust but also bacteria/viruses.

Effective for removing cooking fume and odor that spread inside and outside while cooking

**Filtering process during business hours
(fine dust collected)**



**Self-cleaning process after business hours
(filter regenerated)**



Make the air cleaner thanks to the clean filter
being sterilized every morning!

Filter replacement/cleaning is not required, and fine dust and odors are reduced by more than 90% during cooking.



khanpure Indoor air purifiers exclusively for restaurants

Cleans the air in kitchens and restaurants

IS1500 (stand type)



Dimensions(mm) :
800 X 626 X 1850

Power consumption :
Purification mode 185W
Regeneration mode 1800W

**Maximum processing
wind speed :**
11.8m/s

Purification capacity :
72.7m³

IM800 (slim type)



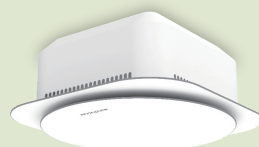
Dimensions(mm) :
660 X 500 X 1850

Power consumption :
Purification mode 150W
Regeneration mode 900W

**Maximum processing
wind speed :**
10m/s

Purification capacity :
49.6m³

IC900 (ceiling type)



Dimensions(mm) : 1160 X 1160 X 540

Power consumption :
Purification mode 150W
Regeneration mode 900W

Maximum processing wind speed : 10m/s

Purification capacity : 49.6m³

khanpure Device that reduces outdoor fine dust and odor

Cleans the air that goes outside

E4MD



Dimensions(mm) : 1500 X 900 X 1600

Power consumption :
Purification mode 11KW
Regeneration mode 11KW
(average 1 hour operation
every ten days)

Processed air volume : 10,000CHM

Maximum processing wind speed :
20m/s

Purification capacity : 167m³/min

E9MD



Dimensions(mm) : 1800 X 1200 X 1800

Power consumption :
Purification mode 18.5KW
Regeneration mode 11KW
(average 1 hour operation
every ten days)

Processed air volume : 20,000CHM

Maximum processing wind speed :
30m/s

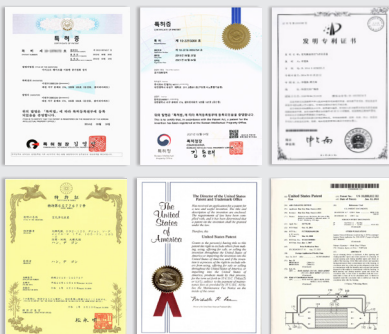
Purification capacity : 333m³/min

The technology that can clean
the kitchen can clean every space.

Khanpure in the kitchen



International patents and certificates



- ▶ Built solid global patent barriers by registering patents in the U.S., EU, China, Japan, and South Korea

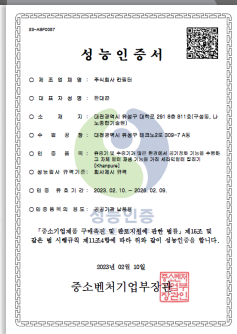
ETL certificate



New York City, USA DEP certificate



Performance certificate by the Ministry of SMEs and Start-ups in Korea



- ▶ Acquired U.S. safety standards ETL certification. Certified emission control devices for cooking by the New York DEP(Department of Environment Protection)
- ▶ Acquired performance certification from the Ministry of SMEs and Start-ups in Korea. Technology development products to be considered for preferential purchase by public institutions

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