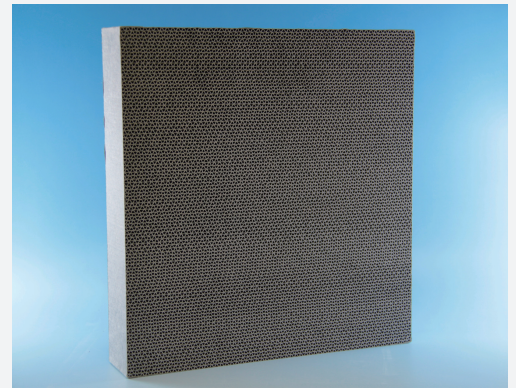


Ceramic deodorizing filter for kitchen exhaust

ZEOGAIA

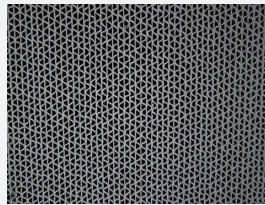


Are you having trouble with odor of your kitchen in restaurant? Karumoa have developed the ceramic deodorizing filter that have a lot of oil mist and solving smell problems in your kitchen.

Feature

High deodorizing

Each filter have high performance deodorizing.



Filter

Low pressure

Ceramic deodorizing filter have been successful in 50% off of low pressure comparing with other products. Also, reducing the loading of exhausting power, it have been contributing the reduction of CO2.



High cost performance

Zeogaia will promise you to prevent loading accumulation by repeating adsorption and release of deodorizing filter. Therefore, you will expect the long-span of exchanging circle.

zeogaia will deodorize strong odor and release the low density of odor as well.

Noise reduction

Zeogia is able to reduce about 3 - 7 dB of noise of high-pitched sound of fan by using ceramic inorganic fiber filter.



Case study

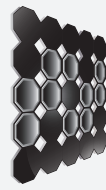
Office Building / Commercial Facility

Established the Zeogaia to prevent bad smell influencing on OA of a neighborhood in a commercial complex facilities including a hotel and a house. Performed the statement of the bad smell by simulation in several stages and examine necessary device specifications.

In case of increasing the odor after the use, there are extra space for adding the Zeogaia.

Exhaust air volume : 74,200CMH
Type : ZG-81000-4 (6)
Performance : Odor density 2500→160
Effectiveness of deodorization : 93.6%



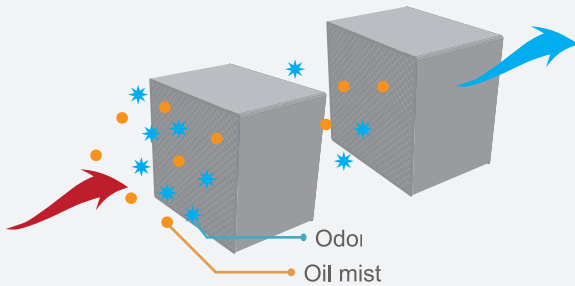


Zeogaia ceramic filter

ZEOGAIA

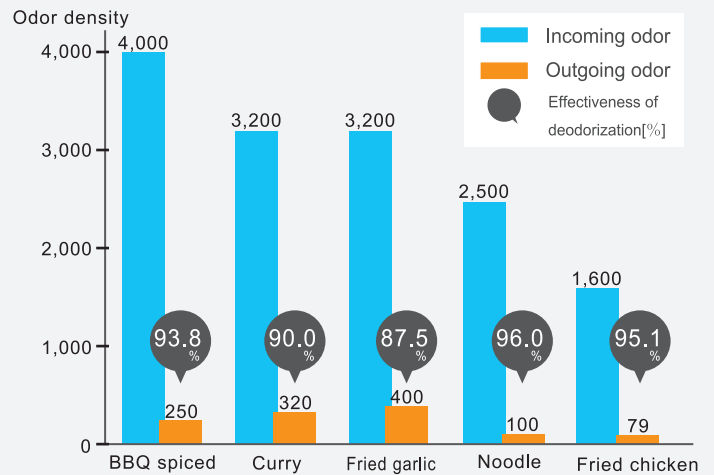
About deodorizing

Principle of deodorizing



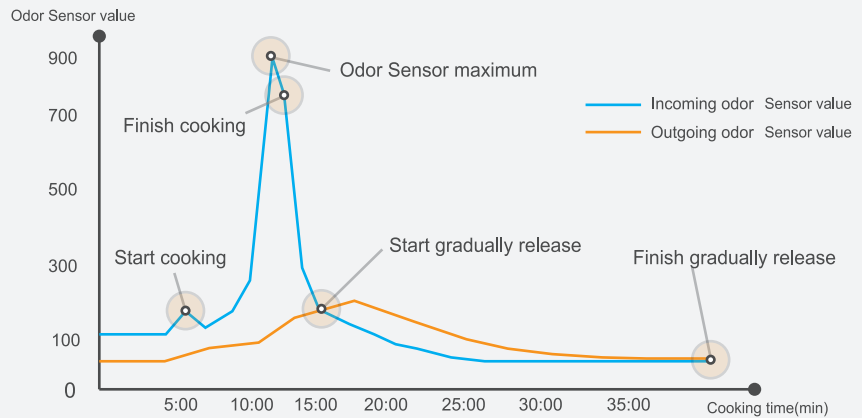
Zeogaia is able to catch and eliminate the odor element by uncountable pore on surface. Therefore, the odor elements that had been decomposed have been released in the air

Effectiveness of deodorization



Odor gradually releasing

Zeogaia is able to adsorb strong odor when you start cooking in your kitchen room. Odor will be gradually released in the air when getting weak.



Filter Spec

Zeogaia filter specification

| | |
|-----------------------|--------------------------------|
| Material | Seramic inorganic fiber filter |
| Size | 300×300×60 t |
| Weight | 1.2 kg / sheet |
| Wind speed | 1 ~ 3.0 m/sec |
| Recommend Temperature | 0 ~ 60℃ |
| Recommend Humidity | ~ 60% |
| Pressure loss | 16 ~ 57Pa / layer |

Pressure loss

