

## Deodorizing method originated from Mother Nature. Works instantly on all kinds of odor.

Today, the desire for a comfortable living environment is strong, and social standards against environmental odor have become stricter than ever. In such a "New Clean Era", Airkem is the answer for odor problems around industrial plant to restaurants, a low cost, industrial strength, natural based counteractant and deodorizer of the new era. Because Airkem is made of nontoxic natural essential oils, there are no safety concerns.



### ◆ Characteristics of Airkem

#### Made of natural essential oils.

**1** Airkem is made of a combination of 125 natural essential oils that are effective in neutralizing odor. It is not only noncombustible, nontoxic and has no irritant action, but has good biodegradability. So there are no safety concerns.

#### Airkem is different from aromatics that smother odor with stronger fragrance.

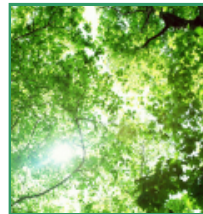
**2** Not a masking agent that covers up bad odor with stronger smell. Airkem is sure to lower odor sensitivity levels by applying the principle called neutralizing deodorization that neutralizes and cancels malodors.

#### Widely effective on all kinds of odor.

**3** Airkem can be applied widely to various malodors, from rot odor to stench from chemical substances. We have been maintaining good reputation in providing Airkem to various fields in the industry.

#### Works instantly with low running cost.

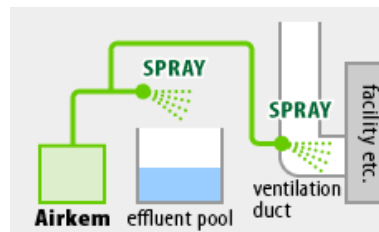
**4** Airkem works immediately, shows sufficient and instantaneous effect on usage, and only a necessary amount may be applied when necessary. Compared to deodorization systems, Airkem deodorization equipment takes less room, less installation cost and less running cost.



#### Deodorization by "Airkem".

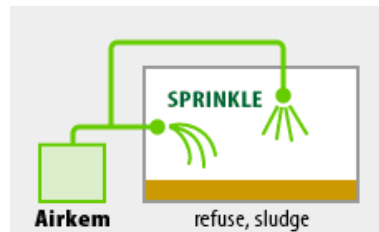
Airkem's principle for removing odor is a method called neutralizing deodorization. By the suitable combination of specific organic compounds, the odor of the compounds are cancelled, resulting in weaker odor levels or even reduced to odorless.

#### Application methods



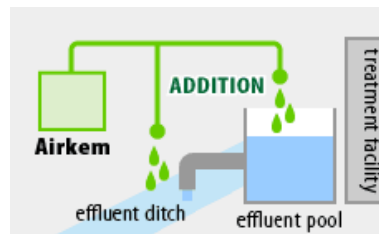
#### Spraying method

Airkem is sprayed into exhaust ducts or in the air near the source of smell. Airkem works by acting against the odor substance in the air.



#### Sprinkling method

Directly sprinkled on malodor sources such as refuse or sludge, using a sprinkler or nozzle. Airkem works by acting against the odor substance in the odor source.



#### Addition method

Directly added using a pump to treatment process such as aeration pools and effluent ditches. Airkem works by acting against the odor substance in the effluent.

Ask your Airkem representative for advice and various apparatus available for using Airkem.

#### Standard dilution methods and application rates

Spraying / dilute to 5~50x  
Sprinkling / dilute to 10~100x  
Addition / add 500~5000ppm without dilution

※ This is only an example of a basic application and dilution of Airkem.

### Examples of application



Full automatic Airkem spraying unit



Spraying into an exhaust duct.



Spraying in the air.



Sprinkling directly on to the source of smell.

## List of major products

Airkem product number	target odor	applicable type of industry																
		livestock	stock feed, fertilizer	marine and livestock product processing	food	chemical	painting, printing	textile	construction material	leather	rubber	pulp, paper	steel	casting	sludge drying	sewer, sewage disposal	garbage disposal	construction site, landfill
105YR	burnt organic matter, tar, asphalt, phenol, protein and fat, smell of carbohydrates		●	●				●						●	●			
188	hydrogen sulfide, mercaptan, amine, unsaturated oil and fat, anaerobic odor, rot odor	●	●	●	●			●		●	●	●	●			●	●	●
191	hydrogen sulfide, mercaptan, methyl sulfide, indole, skatole, fatty acid, anaerobic odor, rot odor, sewage odor	●	●	●	●					●						●	●	●
198	hydrogen sulfide, mercaptan, methyl sulfide, amine, ketone, acetate, aldehyde, phenol, fatty acid, onion odor, garlic odor				●	●	●	●	●	●	●	●	●	●	●	●	●	●
501	ammonia, living room, rot protein odor, pungent smell	●				●										●	●	●
661M 662M 663M 665M	burnt organic matter, hydrogen sulfide, ammonia, phenol, aldehyde		●			●		●	●	●	●		●				●	
768G 768L	hydrogen sulfide, mercaptan, amine, unsaturated oil and fat, anaerobic odor, rot odor	●	●	●	●			●		●	●	●	●			●	●	●
951NK	lacquer, oil, aldehyde, phenol, alcohol, ketone, dry cleaning					●	●										●	
M500※	burnt organic matter, hydrogen sulfide, ammonia, musty odor, phenol, amine, aldehyde, rot odor	●	●	●	●	●				●		●	●	●	●	●	●	●

※ The trade name of M500 is Ameniclean.

Package : 18kg rectangular steel cans or 200kg drums

### Handling Precaution

Avoid direct sunlight, and store in a cool dark place

### Notice

1. The data listed herein are based on experimental data obtained in the laboratory, and do not guarantee results at actual application sites. Please check how Airkem works under the condition of use, before using on site.
2. The data listed herein may be revised without notice.



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# Airkem Super

Natural based counteractant and deodorizer for small spaces and area



## Resolves indoor odor problems by using natural based ingredients.

The woods are filled with bracing air, because rot odor of leaves and plants are deodorized by the substances emitted from living trees and plants. "Airkem Super" is a natural based business purpose counteractant and deodorizer that uses a deodorizing method originated from Mother Nature, applicable to rather small spaces and area. Airkem is different from aromatics that cover up bad odor with stronger fragrance and the power of natural essential oils will create a refreshing atmosphere like being in the woods.



### ◆ Characteristics of Airkem Super

#### Natural essential oils will immediately neutralize all kinds of odor

**1** Airkem Super is a natural based counteractant and deodorizer that uses a deodorizing method originated from Mother Nature. Natural essential oils are safe to be used, and the neutralizing deodorization effect works on various sorts of odor.

#### Airkem Super is different from aromatics that smother malodor with stronger fragrance.

**2** Not a masking agent that covers up bad odor with stronger smell. Airkem Super is sure to lower odor sensitivity levels by applying the principle called neutralizing deodorization that neutralizes and cancels malodors.

#### Small and light, but lasts and effective for one month

**3** Airkem Super is an easy to handle solid type neutralizing deodorizer that is small, light and still effective for one month. No need for heavy equipment or large installation space and can be used at a very low cost.

#### Cabinet with a decorative form suit for Airkem Super available

**4** A decorative cabinet is available that does not only take away odor but creates a pleasant room. The appearance matches shops offices etc. and creates a comfortable area.

#### Standard application

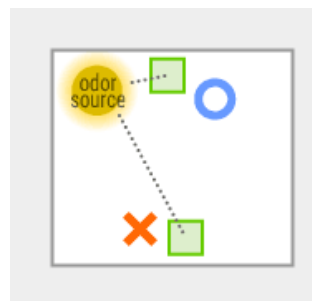
Peel off the aluminum film and set inside the Airkem Cabinet. Standard application requires one Airkem Super on the lower shelf. In case of stronger odor, apply another Airkem Super on the upper shelf. The effective area for one Airkem Cabinet is approximately 10m<sup>2</sup>. Install additional Airkem Cabinets for larger area and stronger odor.



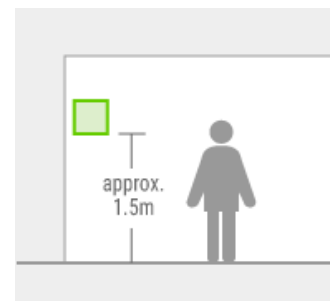
**Airkem Cabinet**  
W130×H180×D70mm



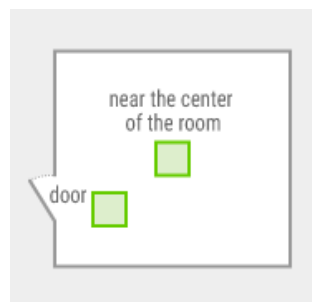
#### Effective places to install Airkem Super



**1.** Near the odor source, where the smell is strong.



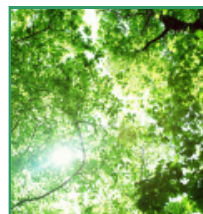
**2.** At the height of approximately 1.5m (close to the height of your nose).



**3.** Near the center of the room or slightly closer to the entrance.



**4.** Away from ventilating fans, heating apparatus and windows.



#### Deodorization by "Airkem".

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## Examples of application



restrooms






dressing rooms



hospital rooms

## Product list

Type	Application	Package
For deodorization of all kinds of odor Airkem Super <b>GOLD</b> 	hospitals, consultation rooms, social welfare institutions, restaurants, kitchen, office, dressing rooms	60g×50個入
For deodorization of especially strong odor Airkem Super <b>RED</b> 	bathrooms, restrooms, medical facilities, sanitation facilities, hemodialysis treatment facilities	
For deodorization of pet and animal odor Airkem Super <b>BLUE</b> 	hospital rooms with strong odor, pet shops, veterinary hospitals, breeding pens, places with pet or animal odor	
<b>Airkem Cabinet</b>	for usage shown above	25 sets

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