

KALMOR®

Injection cold Plasma Deodoriser JS-T03



Strong Deodorising

Energy saving

Injection Type

3 Features

Powerful Deodorising

Energy saving

Injection Type

Injection cold Plasma Deodoriser

Plasma deodorization principle

Plasma discharge generates oxidation radicals with strong oxidizing power. The generated oxidation radicals chemically react with odor components in the duct (oxidation reaction), and the odor components are decomposed and removed.

Plasma is a state in which the molecules that make up a gas are ionized and split into cations and electrons and are in motion, corresponding to an ionized gas. Under this state, highly reactive active components are produced.

In nature, lightning and auroras are plasma states.



Features

Powerful deodorization

A large amount of active ingredients can be generated by special discharge technology. The large amount of active species deodorizes malodorous components with high efficiency.

Energy Saving

Special discharge technology enables generation of a large amount of active ingredients with a small amount of energy.

Injection Method

Conventional pass-through type non thermal plasma deodorizers have been contaminated by dust and oil mist contained in exhaust air, resulting in fire risk and performance degradation. Our product is an injection type, so these problems do not occur.



High-air-volume equipment

Compared to conventional systems

	Non-thermal plasma deodorizer		Note
Type	Our products Injection type	Conventional product Pass-through type	Pass-through type deodorizes by installing a discharging element in the duct and deodorizing the discharging part. This is a common type of cold plasma deodorizer
Maintainability	Good	Bad	In the pass-through type, oil and dust adhere to the discharged parts. There is a risk of fire.
Initial cost	Good	Bad	Our product uses a high-efficiency generator, which reduces costs.
Running cost	Good	Bad	Our product uses a high-efficiency generator, which reduces costs.
Installation space	Small	Large	Our product can generate a large amount of active ingredients with a small generator.

Specification

Model		JS-T03
Air Volume(CMH)		500~2000m3/h
Power Supply	Power Voltage	380V
	Power Consumption	4.5kW
Equipment Configuration		Power receiving cabinet, Heater, Generator, Power supply, Intake filter, Electric valve
Equipment Dimensions		1060 × 780 × 850mm
Equipment Weight		110kg



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