

KAGUYAHIME

(- Bamboo princess -)



There is a lot of organic wastes which can be composted, not only animals wastes but such as rice straws, vegetables leftovers, sewage sludge, brewer's grain, sawdust and kitchen garbage.

When such organic wastes is composted, there are many kinds of items to be tested, taking the following into consideration :

- How to produce compost with high quality ?
- How are offensive odors ?
- How is the action of microbes ?
- How is the effect of composting accelerators ?

Traditional composting test systems have often required a large-size of experimental equipment or been operated with open-air storage. Thereby, they have created several problems such as requirement of much equipment material, non-homogenized composting and difficulty of sample taking and result analysis.

KAGUYAHIME is compact experimental equipment which ensures easy, homogeneous and precise composting test researchers, solving the above mentioned problems.

* With its unique shape, Kaguyahime was named after Japanese old folktale. Kaguyahime, a small princess, was found in an oblique cut end of bamboo.

<Features>

Required equipment is fully included in compact design. Composting experiments can be performed with small sample volume just by connecting power socket.

The sample temperature is increased by the heat of decomposition itself in composting a sample. Hence, various fermentation conditions in the process of actual composting can be reproduced without external heating equipment.

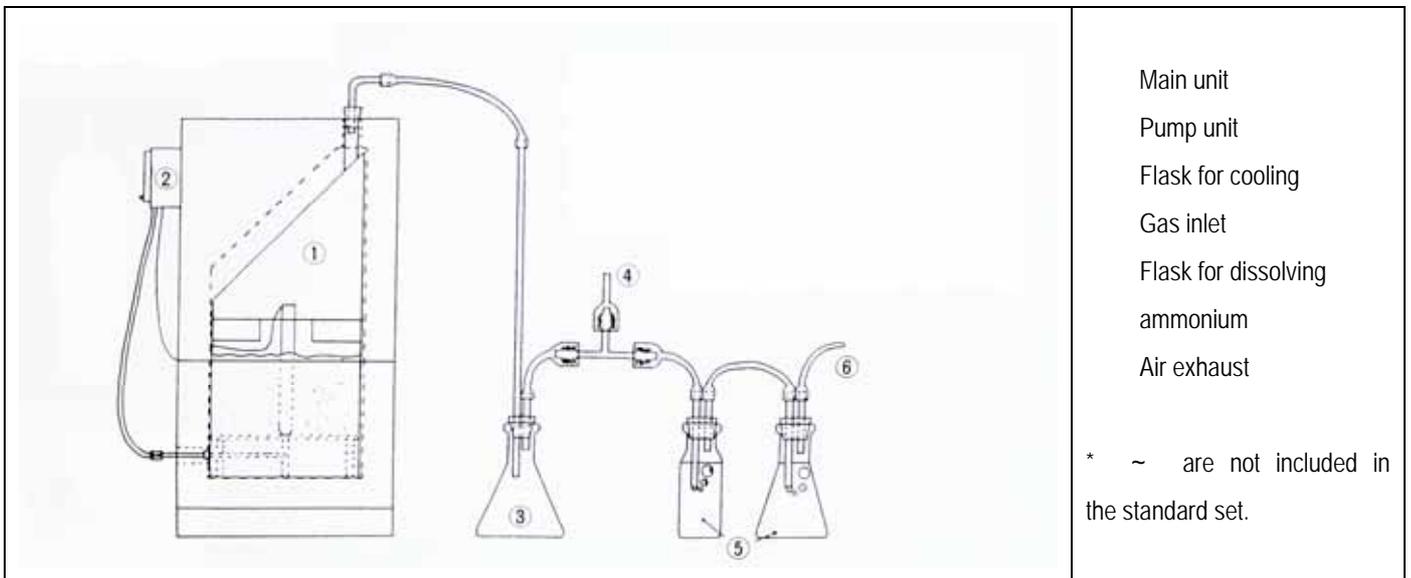
The minimum number of equipment (2-3sets) required for comparison tests can be easily set up because of the inexpensive equipment cost.

Gas components can be continuously analyzed.

The sample in the fermentation vat can be taken with the passing of time, and the decomposition process of organic matter and microbial transformation can be made clear.

The inclined upper lid makes it possible to condense and collect moisture which is produced in the process of composting.

It is possible to set air flow and gas components (high/low oxygen content in gas) in accordance with the experimental conditions.



Main unit
Pump unit
Flask for cooling
Gas inlet
Flask for dissolving ammonium
Air exhaust

* ~ are not included in the standard set.

Specifications

	Model No.	NFN300, Method of research center of animal husbandry
Main unit	System	Upper/lower part separated (fix with metal fittings)
	Measurement	Approx. 253 x 700mm excluding the exhaust pipe
	Weight	Approx. 9kg
	Capacity	Max. available volume approx.12.3L
Incubation unit	System	Upper/lower part separated (including heat insulating material and fixing metal fittings for automatic locking)
	Measurement	Opening 490mm x Depth 490 x Height 940mm (excluding the handle)
	Weight	Approx. 25kg
Accessories	Ventilation pump unit	3L/min
	Flowmeter	0-2L/min
	Thermo-recorder	40 - 110 (minimum graduation : 0.1)

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