

Features of COMPO FUJI

Heat exchanger (patent pending)



COMPO FUJI equipped the special heat exchanger which utilizes heat of fermentation in organic wastes. It makes water evaporate and warming air to send into the system. So, COMPO FUJI produce high efficiency fermentation without using heater.

5kw/hour of heat exchange reduce 46,000kw of electricity per year. Carbon dioxide emissions reduction equal to absorbed amount by 1000 cedar trees per year (SK-70)

Hydraulic drive

COMPO FUJI equipped hydraulic drive for rotating shaft and opening and closing of the damper. Hydraulic drive saves the system from over load. The small hydraulic drive produces big power.



Control panel

Agitating blade load monitor
Air blower load monitor



Blow air temperature monitor
load display, Abnormal status code display

The agitating blade load / air blower load monitor show current load situation. It makes possible to find out an abnormal situation immediately. The sequencer with self-diagnosis function indicate abnormal codes. It makes possible to take a quick action in case of problem.

Benefits of COMPO FUJI

1. CLEAN

Composting process is completed inside of tank system. The tank is sealed so effect to environment is minimal. Free from fly problem.

2. Harmful gas management

Harmful gases like ammonia are produced during composting process. COMPO FUJI has small exhost and it can be connected with deodorizing system, so the management is easy and effective with relatively small investment.

3. Small

This vertical tank system needs only small area. The system is designed to achieve efficient processing without any additional material. You don't need to worry about land space.

4. Low operation cost

- 4.1. Less man power by simple & easy operation
- 4.2. The special heat exchanger and hydraulic drive reduce electricity consumption.

5. Stable

The process is not affected by natural environment (Temperature, humidity, weather). Stable process is possible.

6. Strong durability

Simplification of the structure and Stainless steel (most of the parts to contact with waste are made by stainless steel) give excellent durability to the system. All the parts match Japanese industry standard.

COMPO FUJI produce high value organic fertilizer in a short period with stability at low operation cost without hurt the earth. So, the system save energy, your money and the earth.



OPTION

Deodorizing systems

Harmful gases like ammonia are produced during composting process. COMPO FUJI has small exhost and it can be connected with deodorizing system, so the management is easy and effective with relatively small investment.

Scrubber

Remove harmful gases by water showering.



Pelletize, packing systems

Pelletize machine



Packing machine



SANYU KIKI CO.,LTD.

1-1-3 Otemon Chuo-ku Fukuoka-shi Fukuoka-ken 810-0074 Japan

TEL: +81 (92) 7118858 / FAX: +81 (92) 7145637

E-mail: honsha@sanyu-kiki.co.jp

http://www.sanyu-kiki.co.jp

Tokyo office: 2-6-5 Kandasudachou Chiyoda-ku Tokyo

Nagoya office: 1035-1 Aza Hirota Ooaza Funatsu Komaki-shi Aichi

Osaka office: 10F 2-14-14 Miyajima Yodogawa-ku Osaka-shi Osaka

Hokkaido branch Kanto branch Chugoku, Shikoku branch

Minami Kyushu branch Okinawa branch

COMPO FUJI

SK series

Rapid fermentation composter

The best solution for organic waste management
From organic waste to valuable organic fertilizer
by aerobic fermentation



 **SANYU**
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Solution of organic waste management with satisfaction

Background

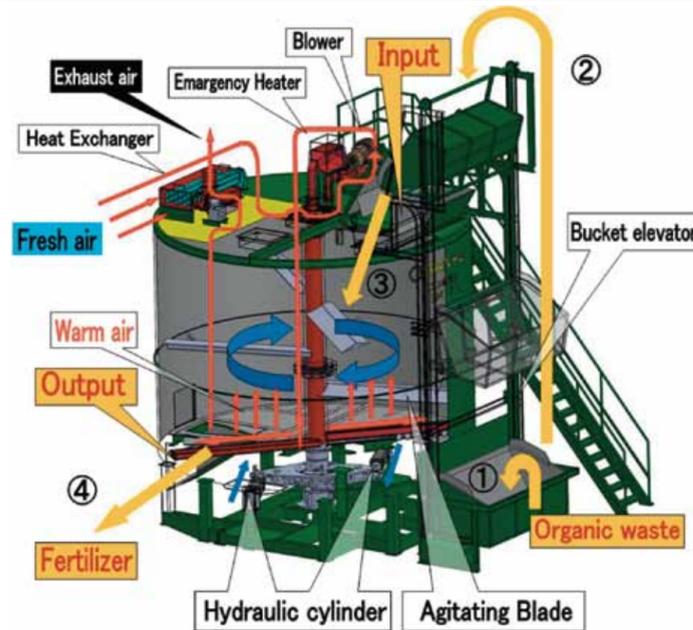
Due to the limited land space of Japan, waste management was required by economical growth in 20th century. Sanyu has developed the eco-friendly waste management system as a pioneer in 1991. Since then Sanyu is one of a top runner of industrial engineering company in Japan. COMPO FUJI's special structure and equipments has been developed to meet the demand from our customers. We are confident that your are satisfied for usability, economical efficiency and durability of COMPO FUJI.



Economical solution
COMPO FUJI is equipped the special heat exchanger which utilizes heat of fermentation in organic wastes. It makes water evaporate and warming fresh air to go into tank, COMPO FUJI produce high efficiency fermentation without using heater. It is quite ideal way to produce high quality organic fertilizer. COMPO FUJI uses hydraulic to drive unit and input damper. The small devices produce big power.

The operation cost of COMPO FUJI is quite economical.

Valuable organic fertilizer can be produced in a small area with easy operation



COMPO FUJI has designed to input organic wastes directly without moisture adjustment. It is continuous system, you can put wastes every day, organic fertilizer is produced everyday. Bucket elevator lift up organic wastes and put them into damper automatically. Organic wastes are mixed by agitating blades inside of the tank. Special heat exchanger uses heat of exhaust gas to warm up fresh air to go into tank. The warm air is blown from holes on the blades. The warm air hastens aerobic fermentation and evaporate water in organic wastes. After 7 days(on the average), organic wastes are converted to high quality organic fertilizers.

SK-18



SK-37



SK-70



SK-100



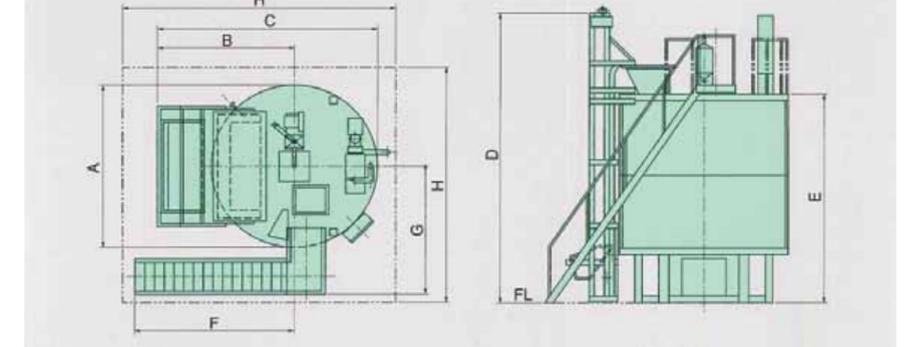
Specification

Item/ Model	SK-18	SK-37	SK-70	SK-100
Inside tank volume	17.6 m ³	37 m ³	70 m ³	100 m ³
Hydraulic drive	3.7kW	5.5kW	7.5kW	7.5kW
Blower 50/60Hz	2.3/3.4kW	5.0/7.0kW	7.0/11kW	11.7/14kW
Exhaust fan 50/60Hz	0.2kW	0.4kW	0.4kW	0.75kW
Emergency heater	3.0kW	4.0kW	4.0kW	4.0kW

COMPO FUJI SK series



Dimensions



Model/Size	A	B	C	D	E	F	G	H
SK-18	3300	2800	4450	5060	3200	-	-	4000x4500
SK-37	4430	3750	5960	6000	3860	3760	3140	6500x7000
SK-70	5110	4050	6600	7220	5030	4230	3140	7000x7500
SK-100	6070	4510	7540	7220	5030	4230	3375	8000x8500