

Refresh the soil with hot water

SOIL DISINFECTION EQUIPMENT



The main aim for using the equipment is to disinfect the soil with the help of the Hydro- Boiler, which supplies hot water up to 95 degree centigrade and raises the temperature of the sub soil up to 40 to 60 degree centigrade and purifies the soil from any kinds of infection.

The Equipment consist of mainly three different parts :

1. Special Specification Boiler
2. Electric Winch
3. Standard Watering Equipment

Special Specification Boiler

The Boiler operates partially on electricity and mainly on heavy oil (Diesel- A 重油) The water supplied to the Boiler is heated by a heavy duty Burner run by diesel oil. The boiler takes about 30 minutes to rise up to a temperature of 95 degree centigrade, which is recommended before the distribution of hot water. The water pump plays an important role in this system. The water is supplied to the container by the pump and it stops the suction automatically when the water level is at the maximum and starts operating, vice versa, keeping the boiler running at its average pace. Various valves attached at the inlets and outlets control the water flow. Among which is a Scupper Valve that controls the overflow of the water supply and circulates it back into the container. The Digital Thermometer attached to the control panel keeps the average record of the temperature.

Electric Winch

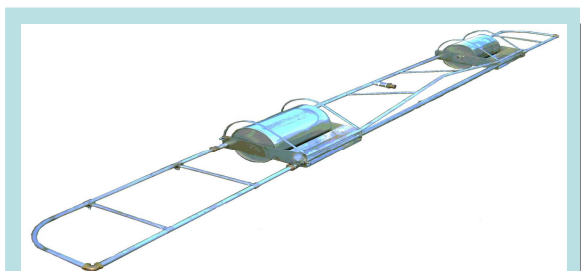
The speed of the winch can be adjusted according to the amount of water required for distribution on a particular surface area. The speed is adjusted from the control panel by just punching in the numbers. The winch has an automatic stopper to stop it from winding further after it has reached the end. This can be set according to the length of the surface area. The power supply for the winch is connected from the electrical outlet attached to the boiler. A four pin electrical socket is used normally but might vary depending on the maker.



FKC-160
Electric Winch

Standard Watering Equipment

This is made of metal pipes and is designed to roll smoothly on the ground when it is dragged. The pipe has small holes along side the edge for equal distribution of hot water over the surface area. . The standard length of the equipment is 4.0 – 8.5 meters. Extending or shorting the pipes on the sides can easily adjust the length of the equipment according to the width of the surface area. A flexible hosepipe is used to connect the flow of the hot water from the Boiler to the watering equipment.



FKB-100
Standard Watering Equipment

Product Line-Up



NS- H type 400000kcal
Traction-type by tractor



NS- H type 300000kcal
Self-run type

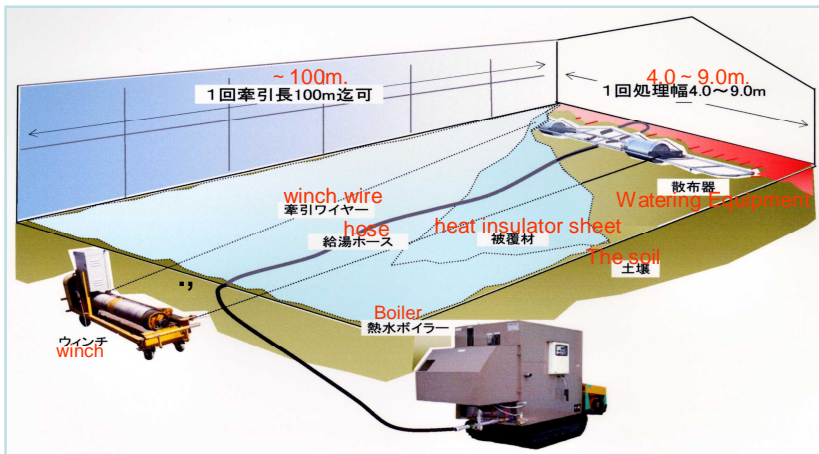


NS- H type 400000kcal
Self-run type

Accessories



working drawing (Kanagawa method)



A procedure of sterilization (Kanagawa method)

1. plow a farm
2. The leveling of ground
3. Preparations for winch
4. Preparations for Watering Equipment
5. Preparations for hose
6. Preparations for winch wire
7. Preparations for heat insulator sheet
8. Please begin to sprinkle hot water

Store

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