SEED GERMINATION CHAMBER







Product Introduction

- Constant temperature incubator is a seed germination inspection equipment designed for seed companies (stores). It is suitable for plant germination, seedling cultivation, microbial cultivation, and is also an important test equipment for biology, agriculture, forestry, animal husbandry, scientific research units, production units, or department laboratories. It has two major functions: automatic control of light and automatic heating and constant temperature. It has a simple structure, beautiful appearance, reliable operation, and low price, making it an ideal popular product.
- This box can use different seeds in different regions and seasons to germinate quickly at constant temperature. Due to the effect of constant temperature, the protease and other chemical substances in the seeds can be quickly decomposed and reacted, avoiding the energy loss caused by temperature difference germination, making the seeds more resistant to disease after germination, improving the immunity of seedlings, and shortening the germination time of seeds. The young sprouts produced by this device have good quality and high survival rate.

System control

This product uses a temperature controller. The product is small in size, light in weight, beautiful in appearance, good in reliability, strong in anti-vibration and anti-interference performance, and the instrument equipped with thermocouple has the function of automatic cold end compensation. Temperature measurement and automatic control can be realized.

Notes

- Place in a dry and ventilated place.
- No debris or chemicals are piled around.
- The socket capacity is greater than 10 amperes and should have a reliable grounding wire.
- If there is water accumulation in the box, the power must be turned off first and then wiped dry with a towel.

Main Technical Parameter

Model	HM-100	HM-330	HM-430	HM-560	HM-1000
Capacity	100L	330L	430L	560L	1000L
Temperature display mode	Digital display				
Power	AC 220V ±10%, 50Hz				
Heating power	200W	400W	600W	800W	1500W
Working environment	Temperature -10℃～35℃. Humidity below 90%RH, no corrosive gas				
Temperature control range	RT~50℃,One-way heating temperature control type				
External dimensions(mm)	475*505*850 mm	635*745* 1270mm	635*745* 1570mm	635*745* 1965mm	1230*745* 1865mm
Inner dimensions(mm)	390*410*630 mm	545*610*975 mm	545*610* 1280mm	545*610* 1650mm	1140*610* 1450mm

Model	HM-100S	HM-270S	HM-590S
Capacity	100L	270L	590L
Temperature display mode	Digital display		
Voltage	AC 220V ±10%, 50Hz		
Heating power	280W	400W	600W
Working environment	Temperature -10℃～35℃. Humidity below 90%RH, no corrosive gas		
Temperature control range	5-50°C,Heating and cooling two-way temperature control		
Cooling power	130W	170W	260W
External dimensions	475*500*1160mm	595*540*1975mm	1090*615*2020mm
Inner dimensions	393*410*630mm	510*365*1320mm	1000*455*1300mm

Varieties	Germination temperature(℃)	Soaking time (h)	Germination time (h)
Watermelon	28-32	12h	16-24h
Melon	28-32	6-8h	24-30h
Cucumber	28-32	6-8h	24-30h
Pumpkin	28 32	12h	24-32h
Bitter melon	30-32	12-16h	36-48h
Luffa	28-32	6-8h	36-48h
Winter melon	30-35	12-16h	72-96h
Cotton	28-30	4-8h	24-36h
Wheat	26-30	4-8h	20-30h
Corn	26-30	8-10h	24-36h
Soybean	26-30	4-6h	12-24h
Peanut	28-30	2-4h	24-36h
Rice	28-30	6-8h	24-36h
Cotton	30-32	8-16h	36-48h
Radish	28-30	2-4h	36-48h
Eggplant	28-30	8-16h	72-96h
Tomato	28-30	4-6h	48-72h
Celery	15-20	12-16h	5-6h
Spinach	20-25	12-16h	3-5d
Scallion	16-20	4-6h	24-36h
Leek	16-20	16-24h	3-5d
Cabbage	26-30	4-6h	24-48h
Cabbage	18-20	12-24h	24-48h
Cowpea	26-30	4-6h	12-24h
Pepper	25-30	12-24h	4-5d