

Freezer Temperature Chamber

Cold-weather damage chamber



- Test equipment for cold-weather damage and long-term storage of various plants
- Germination experiment, Tissue culture of various plants, Microorganism cultivation sensitive to heat and light, Food preservability test
- Small deviations and excellent precision with the control of temperature, humidity and CO2 input by the PID action on the microprocessor touch keypad
- Designed and manufactured to culture for a long period of time at low temperature, and suitable for plant culture and flower pot storage.
- Automatic control of CO2 with IR sensor, Automatic control of CO2 concentration to 5,000ppm or 0-20% in the atmosphere.(Option)

DS-86FO



DS-86F1



DS-86F2



		DS - 86FS	DS - 86F1	DS - 86F2
Type		1 chamber		2 chamber
Main Controller		Programmable microprocessor multi-functional P.I.D controller with 5.7" TFT-LCD color monitor touch screen(120 seasonal cycles, 1200 step, 999Cycle)		161step programmable microprocessor, after the end of the operational PID regulator in the culture or the storage temperature (8 seasonal cycles, 80 steps, 80 Slope hour program)
Temperature	Range	-40℃ to 60℃		
	Accuracy	Constance $\pm 0.2^{\circ}\text{C}$ / Variation $\pm 0.8^{\circ}\text{C}$		
Dimensions (WxDxH)mm	In	600 x 850 x 800	900 x 800 x 1000	600 x 500 x 850 x 2room
	Out	1090 x 1330 x 1765	1390 x 1280 x 1985	1740 x 980 x 1875
	Window	200 x 300mm		None
	Capacity	408 L	720 L	510 L (255 L x 2room)
Heater		Ni-Cr wire heater 1.5Kw		Ni-Cr wire heater 3Kw
Cooler		Plate fin cooler		
Material	In	Stainless steel (SUS 304)		
	Out	Steel plate with powder coating(SCP-1)		
Refrigerating machine		R-404A(CFC-free) 1HP		
Safety device		Leakage breaker, Circuit breaker, Over heat protector, Refrigerator high & low pressure S/W, Over current relay, Emergency shut off S/W		
Power(AC220V, 60Hz)		3Kw	4Kw	4.6Kw

Option Accessories

Communication	RS-232 or RS-485 interface & communication PC software program, USB converter
Data acquisition	6 channel digital recorder, Chart type 2 channel, Digital type 2channel, USB memory storage device