

High/Low Constant Temperature Chamber

Viewing window with interior light • Stainless steel access ports with plug, for convenient access to test items • Swivel casters for mobility • Easily accessible service areas • Stainless steel internal chamber • Solid state heating switching • Refrigeration system: high efficiency , maximum reliability & low vibration and low noise. The air cooled refrigeration is working with CFC free refrigerant. The total cooling circuits is working with solenoid valve bypass technique ensuring that the compressor will only be disconnected if cooling capacity has not been required for a prolonged period • Heating system: low mass electric resistance heater is located directly in front of the recirculating air blower. The PID microprocessor controllers with the solid state relays allows extremely precise and constant control • Adjustable stainless steel shelves • Optional 100mm chart recorder • Over / under temp. protection devices • Volumes from 36 Liter up to 800 Liters.



Model	HC-30	HC-40	HC-50	HC-60	HC-80	FC-40	FC-50	FC-60	FC-80	LC-40	LC-50	LC-60	LC-80	TC-50	TC-60	TC-80	
Internal Dimensions (mm)	W	300	400	500	700	1000	400	500	700	1000	400	500	700	1000	500	700	1000
	H	400	500	600	850	1000	500	600	850	1000	500	600	850	1000	600	850	1000
	D	300	400	500	700	800	400	500	700	800	400	500	700	800	500	700	800
External Dimensions (mm)	W	720	930	1030	1230	1530	930	1030	1230	1530	930	1030	1230	1530	1030	1230	1530
	H	1060	1310	1410	1660	1810	1310	1410	1660	1810	1310	1410	1660	1810	1410	1660	1810
	D	620	810	910	1210	1310	810	910	1210	1310	810	910	1210	1310	910	1210	1310
Volume (Liters)	36	80	150	416	800	80	150	416	800	80	150	416	800	150	416	800	
Temperature Range	0°C~100°C(150°)					-20°C~100°C(150°)				-40°C~100°C(150°)				-70°C~100°C(150°)			
Temperature Uniformity	±0.5°C				±1°C	±0.5°C			±1°C	±0.5°C			±1°C	±0.5°C		±1°C	
Temp. Rising Speed	0°C~100°C about 20min					-20°C~100°C about 35min				-40°C~100°C about 40min				-70°C~100°C about 60min			
Cooling Speed	20°C~100°C about 20min					20°C~-20°C about 45min				20°C~-40°C about 60min				20°C~-70°C about 90min			
Temperature Stability	±0.2°C																
Freezing System	Simoleon type full airtight air-cooled refrigeration system										Binary full airtight air-cooled refrigeration system						
Internal Material	SUS304 # Stainless steel																
External Material	SUS304 # Stainless steel																
Temp. Preservation	Material rock wool hard PU polyurethane foams																
Circulation System	Fan forced recycling convection																
Temp. Preservation Heating System	Stainless steel heating type humidifier																
Safety Device	Power leakage & overload protective device, compressor overload protective device, over-temp. & over-humidity circuit breaker protection, water shortage protection, humidifier over-heating protection, temperature limit protective device.																
Standard Accessory	2 x Stainless steel adjustable shelves, vacuum glass perspective window, testing aperture, operating room light, motion wheel, control indicator																
Optional Accessory	Recorder																
Power	AC220V, 1PH, 50/60Hz																