

Model		ST/64/70/EP	ST/180/70/EP	ST/340/70/EP	ST/600/70/EP	ST/1000/70/EP	
System		Balanced Temperature Control (BTC) systems					
Performance	Temperature range	-70 ~ + 100°C (+150°C/+180°C)					
	Temperature fluctuation	±0.3°C					
	Temperature deviation	1.5°C					
	Temperature change speed	Heating rate: 3.0°C/min Cooling rate : 2.0°C/min					
	Extreme temperature reach time	Heating time : From +20 to +100°C for 30 minutes Cooling time: +20 to -70°C for 60 minutes					
	Allowed heat load	Test area: +20°C					
200 W		400 W	600 W	800 W	1000 W		
Structure	External material	1.5mm thick FC high grade electrolytic plate + plastic spraying for corrosion protection					
	Test area material	1.2mm thick SUS304 stainless steel					
	Heater	Finned nichrome explosion proof heaters					
	Condensor	Air-cooled condensers					
	Air circulators	Centrifugal fans					
	Refrigeration Unit	System	Mechanical Compounding Compression Cooling				
		Compressor	Scroll / Piston Compressors /				
		Refrigerant	R404A &R23 [R449A&R508B available on request]				
		Power	2.3 Kw	4.8 Kw	6 Kw	8 Kw	10 Kw
		Extension mechanisms	Electronic expansion valves				
Configuration	Standard configuration	Explosion-proof chain, Status indicator, Safety door lock, Independent over-temperature protector, Emergency stop, Refrigeration systems pressure gauge , Customised controller,Cable port x 2, Ethernet interface					
	Security options	Sample surface temperature probe, Explosion-proof pressure relief port, Water sprinkler, CO2 fire extinguishing device, Electronic combination lock, Explosion-proof mesh for observation window, Gas monitoring system (H2/CO) GN2 purge, Fireproof coating, Video monitoring					
Volume		64L	180L	340L	600L	1000L	
Test area load- capacity		30KG		50KG	80KG	100KG	
Internal dimension W×H×Dmm		400*400*400	580*750*450	750*750*600	800*950*800	1000*1000*1000	
External dimension W×H×Dmm		640*1688*1305	895*1800*1570	895*1800*1885	1115*2000*1930	1200*2050*1780	
Weight		390kg	510kg	630kg	730kg	850kg	
Installation site requirements	Ambient environment		0 ~ + 40°C (+ 32 ~ + 104°F) Up to 75% rh				
	Power	1φ220V AC 50Hz/60Hz	20A	40A	-	-	-
		3φ380V AC 50Hz/60Hz	14A	18A	24A	32A	40A
		Custom power supplies	-				
Noise level		68dB	68dB	68dB	68dB	68dB	