Three-zone Thermal Shock Test Chamber

India Office

16 S/F B/S, T-Block Extn.
Jain Colony Part-2 Uttam Nagar,
New Delhi-110059
info@darsunscientific.in
(+91) 9999136670, 7835864003

USA Headquarters

30 N Gould St, Ste R
Sheridan, Wyoming 82801
United States

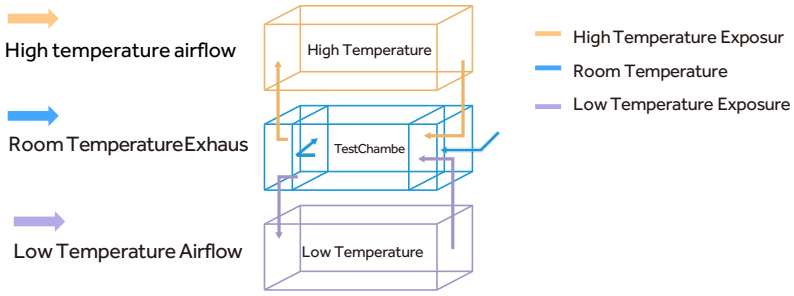
DarsunScientific

Darsun Scientific

Three-zone Thermal Shock Test Chamber

DS-ST-3

The three-chamber thermal shock test chamber is used to test the ability of materials to withstand extreme high and low temperatures in a continuous environment, allowing for the quickest possible testing of chemical changes or physical damage caused by thermal expansion and contraction. Suitable materials include metals, plastics, rubber, electronic equipment, etc., and can serve as a basis or reference for product improvement.



Model	64-N/L/U	100N/L/U	150N/L/U	200N/L/U	300N/L/U	500N/L/U	1000N/L/U
High temperature	+60℃ to +200℃						
Preheating Time	+60℃ to +200℃ within 30 minutes						
Low Temperature	(Type N) -55℃ to -10℃ (Type L) -70℃ to -10℃ (Type U) -80℃ to -10℃						
Basket size (mm) (WxHxD)	400x400x400	50x450x450	600x500x500	650x460x670	850x600x650	1000x750x700	1000x1000x1000
Precooling Time	(Type N) +20℃ to -55℃ 70 within 70 minutes (Type L) +20℃ to -70℃ 70 within 70 minutes (Type U) +20℃ to -80℃ 70 within 70 minutes						
Test Chamber	(Type A) -40℃ to -150℃ (Type B) -55℃ to -150℃ (Type D) -65℃ to -150℃						
Recovery Time	High Temperature Exposure 30 minutes						
	Low Temperature Exposure 30 minutes						
Floor Area (m2)	2.7	3.5	3.1	3.5	3.8	4.1	5.04
Inner Chamber Material	SUS304 stainless steel plate, fully welded inner chamber						
Outer Chamber Material	High-quality cold-rolled steel plate, surface electrostatic powder coating						
Insulation Material	Rigid polyurethane foam insulation layer, flame retardant grade B2						
Refrigeration System	Cascade, semi-hermetic compressor, environmentally friendly refrigerant (HFC-R404A/HFC-23)						
Controller	7-inch color touch screen intelligent controller Operating System: cold impact system cold output version						
Protection Devices	No-fuse switch, compressor overpressure, overheating, overcurrent protection, over temperature protection, fan overload protection, fuse, dry-burn protector, water shortage protection						
Standard Accessories	Sample rack2, lead-in hole (50mm)*1						
Power Supply	AC380 ±10% 50Hz three-phase four-wire + ground wire						