

4. Two-zone Thermal Shock Chambers

Application:

Three Zone Thermal Shock Chamber means the chamber consist of high temperature zone, low temperature zone, and testing zone. The test sample is in static mode. While Two Zone Thermal Shock Chamber consist of high temperature zone, low temperature zone only. And the test sample is moving up and down along with the built in air-controlled hanging basket.



Thermal Shock Testing Chambers

Specifications

| Model | MTS2-50 | MTS2-100 | MTS2-150 | MTS2-200 | MTS2-300 |
|---|---|-------------|---|------------------------------|-------------|
| Interior Volume | 50L | 100L | 150L | 200L | 300L |
| Interior Dimension(cm) | 35*40H*35 | 50*40H*50 | 60*50H*50 | 65*50H*60 | 90*50H*67 |
| Temp Change Rate(with load) | 5°C ~20°C/m(Standard); 30/°C/m(Liquid Nitrogen) | | | | |
| Hot/Low Temp Range(Testing Zone) | +60°C~+150°C | | | -10°C~-65°C | |
| Hot/ Low Temp Range(Preheat-precool Zone) | +60°C~+200°C (Pre heating zone) | | | 0°C~-78°C (Pre cooling zone) | |
| Preheating Time(m) | RT to 150°C | RT to 150°C | RT to 150°C | RT to 150°C | RT to 150°C |
| | 30 | 30 | 30 | 30 | 30 |
| Precooling Time(m) | -50°C -65°C | -50°C -65°C | -50°C -65°C | -50°C -65°C | -50°C -65°C |
| | 90 | 90 | 90 | 90 | 90 |
| Power (KW) | 36,40 | 40,47 | 47,51 | 47,51 | 51,55 |
| Temp Fluctuation | ±0.5°C | | | | |
| Temp Conversion Time | ≤10 seconds | | | | |
| Temp Recovery Time | ≤5min | | | | |
| Temp & Humidity Deviation | ±1°C~±2°C | | ±3% RH(> 75% RH);±5% RH(≤75% RH) (optional) | | |
| Standard configurations | 1 Window, 1 Cable port, 1 Lamp, 4 Casters, 1 Power cable, 2 Stainless steel shelves | | | | |
| Standard Documentations | quality certification,test report ,user operaion manual for machine & controller | | | | |
| Safety devices | Electric leakage, fan overheat ,anti-dry ,compressor overheat & overpressure,power supply undercurrent,overheat, overcurrent, phase sequence, over-temperature protection devices | | | | |