



TORONTECH



2-ZONE THERMAL SHOCK CHAMBER

Torontech's 2-zone thermal shock chambers are designed to simulate rapid temperature transitions between two distinct zones: hot and cold. This configuration enables precise thermal cycling tests, where samples are quickly transferred from one zone to the other to evaluate their resistance to extreme temperature shifts.

These chambers are ideal for industries like electronics, automotive, and aerospace, where components are often subjected to harsh environments. With fast temperature recovery, reliable performance, and user-friendly controls, Torontech's 2-zone thermal shock chambers help ensure your products meet the highest durability and quality standards.

APPLICATIONS

Standards

- 1. JEDEC JESD22-A104E
- 2. MIL-STD-883H
- 3. IEC 60068-2-14
- 4. SAE J1211

TECHNICAL SPECIFICATIONS

Model		ToronTSC-70A/B/D	ToronTSC-100A/B/D	ToronTSC-150A/B/D	ToronTSC-300A/B/D	ToronTSC-500A/B/D
Basket Dimensions (cm)	W	50	50	67	85	90
	H	35	40	46	55	70
	D	40	50	49	64	80

Model		ToronTSC-70A/B/D	ToronTSC-100A/B/D	ToronTSC-150A/B/D	ToronTSC-300A/B/D	ToronTSC-500A/B/D
External Dimensions (cm)	W	150	95	152	194	202.5
	H	197	204	194	226	268.5
	D	190	203	253	273.5	274
Hot Zone	Temperature Range	+60°C~+200°C				
	Heating Time	RT~+200°C: about 30 min				
Cold Zone	Temperature Range	A: 0~-40°C, B: 0~-55°C, D: 0~-65°C				
	Cooling Time	RT~-70°C: about 60 min				
Basket	Thermal Shock Range	A: -40°C~+150°C, B: -55°C~+150°C, D: -65°C~+150°C				
	Temperature Uniformity	≤ ±2.0°C				
	Temperature Fluctuation	≤ ±0.5°C				
	Temperature Deviation	±2.0°C				
	Transfer Time	≤10s				
	Recovery Time	≤5 min				
Power		380V AC				



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