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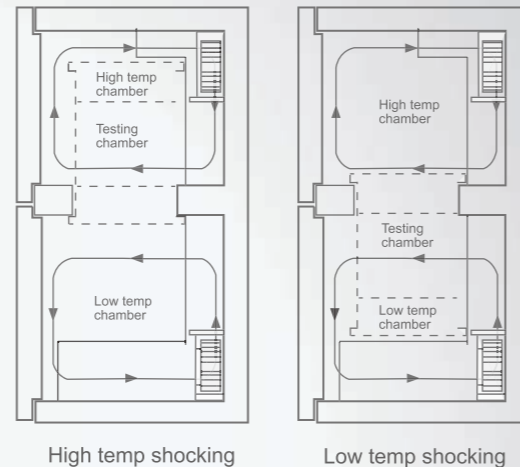
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Two Zone Thermal Shock Chamber BTS

Features

- Outstanding thermal uniformity and is ideally suitable for applications in research and development to inspection or production.
- Alternative capacity size from 50 to 250 Liters to fit different sizes of specimen.
- Temperature recovery time is shortened with two zone system
- The baskets for the vertical shocks are moved using their own cylinders fitted with a brake for precise and protected positioning, without any external excess size.
- Test duration is reduced since temperature exposure time is quickly changed by moving the basket up and down between hot and cold temperature chamber.
- Meet the high performance required by today's test standards
- Comprehensive safety system with interactive color LCD touch-screen system.



Two Zone Thermal Shock Chamber BTS

Thermal Cycling Series

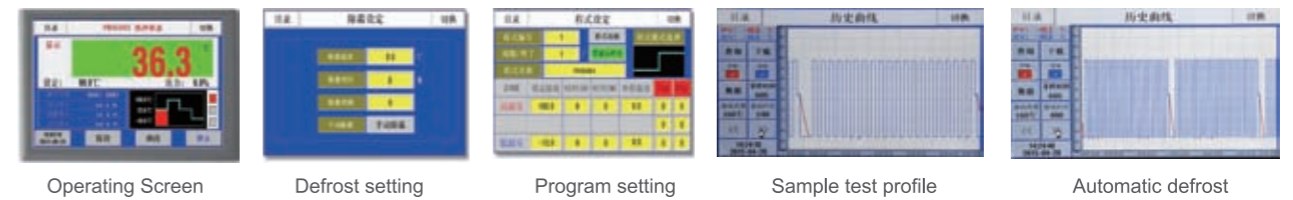
◆ Model Name

B **T** **S** - XXX - 2A/B/C

B=BACL design T=Thermal S=Shock
 ***=Capacity (Liters) 2=Two one type
 A=Lowest temp shock range (-40 C)
 B=Lowest temp shock range (-55 C)
 C=Lowest temp shock range (-65 C)

◆ Working Principle

Sample is placed in the basket which can move up and down between high-temperature chamber and low-temperature chamber, and transferring is carried out in less than 1 seconds and the samples are subjected to thermal shocks as many times as necessary because the system has a standard setting of automatic defrosting. (But we recommend to do defrost hand-operated after cold testing) Moreover, hot chamber and cold chamber can work independently and used as high and low temperature chamber to meet more testing requirements.



◆ Specification & technical data

Model	BTS-50-2	BTS-80-2	BTS-100-2	BTS-150-2	BTS-250-2
Capacity (L)	50	80	100	150	250
Basket size H×W×D(mm)	350×400×350	400×500×400	500×500×400	500×600×500	600×700×600
Exterior size H×W×D(mm)	1650×1200×1300	1700×1300×1350	1800×1300×1350	1800×1400× 1450	1900×1500×1550
Temp. range	-80 C ~ +200 C ,	-70 ~ +200 C ,		-55 ~ +120 C ,	
Ramp range	-65 C ~ +150 C ,	-55 ~ +150 C ,		-40 ~ +150 C ,	
Thermal shock mode	Two zone type; samples are moved and down between hot and cold chamber with the basket				
Driving device	Pneumatic air cylinder				
Recovery time	≤ 5min				
Temperature constancy	±0.5 C				
Heat up time (hot chamber)	Room temp ~ +200 C ≤ 30min				
Pull down time (cold chamber)	0 ~ -60 C ≤ 60min				
Material	Interior	SUS 304 Stainless Steel Plate			
	Exterior	SUS304 Stainless Steel Plate with brushed /coated finishing or steel with spray-coating			
	Insulation	PU+ Glass Fiber Wool			
Cooling system	Tecumseh Hermetic/ GE A Bock Semi-Hermetic compressor, water or air cooled				
Refrigerant	HFC R404A、 R23				
Heating system	Finned Stainless steel tube heating system/ Iron-chrome wire heater				
Safety protection	Leakage protection, Overload NFB, Overload protection for compressor & blower, overheating & dry heat protection for humidification system, Over Current Protection, Phase-sequence				
Standard features	Cable port ∅ 50×1pc , silicone stopper×1pc , sample holder×2pc				
Power (KW)	Depend on different low temp & capacity size				
Meet standards	GB2423.22-89Na, GJB150.5-86, MIL-STD-810-503.2				

- Note : 1. We reserve the right to change specifications without prior notice
 2. Performance is measured in the ambient temperature of + 25 C at available space.
 3. Customized sizes and configurations available