



ASSOCIATED ENVIRONMENTAL SYSTEMS

SM Series

THERMAL SHOCK CHAMBER



Description:

SM series thermal shock chambers are designed with a pneumatic elevator to instantly transfer the product between two temperature zones. SM chambers are designed to meet several thermal shock test standards and can be customized to meet your specific needs.

Standard Features:

- Interior: All stainless steel type 304
- Exterior: Heavy gauge cold rolled steel with powder coat paint
- 2" traveling port
- Watlow F4 programmable controller with RS232 interface
- Adjustable high-low temperature safety



SM Series

Specifications

Options:

- Additional Basket
- Programmable Chart Recorder
- Booster CO₂ (300 or 1000 psi)
- Booster LN2
- IEEE-488 Interface
- Ethernet Interface
- 8" Window in Door
- 12" Window in Door
- Touch Screen Control
- Ambient Exposed Middle Compartment

SM – 2100D Series SM – 2100T Series				
Controller: Watlow F4 Programmable Controller with RS232 Communication				
Three Station Model	Two Station Model	Size (cu. ft.)	Dimensions (H" x W" x D")	Basket Size (H" x W" x D")
SM-2102T	SM-2102D	2	Internal: 16 x 16 x 16 External: 57 x 49 x 62	12 x 12 x 12
SM-2105T	SM-2102D	5	Internal: 20 x 20 x 20 External: 61 x 54 x 66	16 x 16 x 16
SM-2108T	SM-2108D	8	Internal: 24 x 24 x 24 External: 65 x 60 x 72	20 x 20 x 20

Temperature Range	<ul style="list-style-type: none"> - Hot Chamber +200°C (+392°F) - Cold Chamber -65°C (-85°F) - Other Temperature Ranges Available
Recovery	<ul style="list-style-type: none"> - Five (5) minutes standard with mechanical refrigeration. - Two (2) minutes available with mechanical refrigeration or CO₂ or LN₂ boost.
Power Requirements	- 220 Volts, 3 Phase, 60 Hz.
Refrigeration Systems	<ul style="list-style-type: none"> - Standard systems utilizes a mechanical refrigeration system with air cooled condenser. - CO₂ or LN₂ system available in conjunction with refrigeration system.