

Thermal Shock Chambers

Two and Three Zone Chambers



SM-2100 Series



ASSOCIATED
ENVIRONMENTAL SYSTEMS

Unit Specifications

Three Station Model	Two Station Model	Size	Dimensions (H x W x D)	Basket Size (H x W x D)
SM-2102T	SM-2102D	2 Cubic Feet	Internal 16" x 16" x 16" External 57" x 49" x 62"**	12" x 12" x 12"
SM-2105T	SM-2105D	5 Cubic Feet	Internal 20" x 20" x 20" External 61" x 54" x 66"**	16" x 16" x 16"
SM-2108T	SM-2108D	8 Cubic Feet	Internal 24" x 24" x 24" External 65" x 60" x 72"**	20" x 20" x 20"

Temperature Range	Hot Chamber +200°C (+392°F) Cold Chamber -65°C (-85°F) Other Temperature Ranges Available
Recovery	Five (5) minutes standard with mechanical refrigeration. ** Two (2) minutes available with mechanical refrigeration or CO ₂ or LN ₂ boost.
Power Requirements	220 Volts, 3 Phase, 60 Hz.
Refrigeration Systems	Standard systems utilizes a mechanical refrigeration system with air cooled condenser. CO ₂ or LN ₂ system available in conjunction with refrigeration system.

*Dimensions for all SM-2100 Series models will vary slightly depending on refrigeration system installed. Two (2) minute recovery requires larger refrigeration system. External dimensions for all SM-2100T Series are different. Consult factory for all dimensions of three zone models.

**Standard chambers have a recovery time of five (5) or ten (10) minutes with standard mechanical refrigeration systems. Recovery time of two (2) minutes requires a larger refrigeration system. All models are also available with CO₂ or LN₂ versions only (no mechanical refrigeration) with a recovery time of two (2) minutes. CO₂ or LN₂ are also available as options to be used in conjunction with a refrigeration system to achieve a two (2) minute recovery time.

Standard Features:

- Programmable Controller with RS232C
- Stainless Steel Interior
- Adjustable High Temperature Safety
- Automatic Transfer Basket
- Forced Air Circulation
- Ball Bearing Permanently Lubricated Motors
- Mechanical Refrigeration System
- Door Safeties on all Doors

Options:

- IEEE-488 Computer Interface
- CO₂ System for Fast Recovery
- LN₂ System for Fast Recovery
- Chart Recorders
- Casters
- High - Low Temperature Safety

In line with our corporate policy of continuing product improvement and quality control, Associated reserves the right to change product specifications without notice.

Associated Environmental Systems

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