

# Thermal Shock Chambers

Two and Three Zone Chambers



LR - SM-2100 Series

# Unit Specifications

Three Station Model	Two Station Model	Size	Dimensions (H x W x D)	Basket Size (H x W x D)
LR-SM-2102T	LR-SM-2102D	2 Cubic Feet	Internal 16" x 16" x 16" External 57" x 49" x 62"**	12" x 12" x 12"
LR-SM-2105T	LR-SM-2105D	5 Cubic Feet	Internal 20" x 20" x 20" External 61" x 54" x 66"**	16" x 16" x 16"
LR-SM-2108T	LR-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 <sub>2</sub> or LN <sub>2</sub> boost.
Power Requirements	220 Volts, 3 Phase, 60 Hz.
Refrigeration Systems	Standard systems utilizes a mechanical refrigeration system with air cooled condenser. CO <sub>2</sub> or LN <sub>2</sub> 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 CO<sub>2</sub> or LN<sub>2</sub> versions only (no mechanical refrigeration) with a recovery time of two (2) minutes. CO<sub>2</sub> or LN<sub>2</sub> 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
- . CO<sub>2</sub> System for Fast Recovery
- . LN<sub>2</sub> System for Fast Recovery
- . Chart Recorders
- . Casters
- . High - Low Temperature Safety

In line with our corporate policy of continuing product improvement and quality control,

reserves the right to change product specifications without notice.