

SD SERIES

Mechanical Refrigeration Chambers

Bench Top Units



SD-400 Series
SD-500 Series
SD-300 Series



Unit Specifications

Model	Working Volume	Dimensions (H x W x D)	Temperature Range	Temperature Rise Time	Temperature Pull Down Time	Power Required
SD-402	2 Cubic Ft.	Internal 15" x 15" x 16" External 28" x 43" x 28"	-17°C to +200°C 0°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 120 Volt 60 Hz. 1 Phase 100 Volt 50 Hz.
SD-403	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-17°C to +200°C 0°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-405	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-17°C to +200°C 0°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-408	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-17°C to +200°C 0°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-502	2 Cubic Ft.	Internal 15" x 15" x 16" External 28" x 43" x 28"	-37°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 120 Volt 60 Hz. 1 Phase 100 Volt 50 Hz.
SD-503	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-37°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-505	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-37°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-508	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-37°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-302	2 Cubic Ft.	Internal 15" x 15" x 16" External 28" x 43" x 28"	-65°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room ambient to lower limit in approx. 30 minutes. Room ambient to -40°C in approx. 15 minutes.	1 Phase 120 Volt 60 Hz. 1 Phase 100 Volt 50 Hz.
SD-303	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-65°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room ambient to lower limit in approx. 30 minutes. Room ambient to -40°C in approx. 15 minutes.	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-305	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-65°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 30 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.
SD-308	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-65°C to +200°C -35°F to +392°F	Room Ambient to Upper Limit in Approx. 30 Minutes	Room Ambient to Lower Limit in Approx. 40 Minutes	1 Phase 220 Volt 60 Hz. 1 Phase 200 Volt 50 Hz.

Standard Features:

- Programmable Controller
- 2" Diameter Access Port & Plug
- 8" X 8" Multipane Viewing Window
- Internal Light with External Switch
- Adjustable High Temperature Safety (Digital Set Digital Indicating)
- Stainless Steel Interior

Options:

- RS232
- IEEE-488 Computer Interface
- Chart Recorder
- Additional Ports
- Floor Stand with Casters
- CO₂ or LN₂ for Faster Pull Down
- Optional Voltage

Ultimate performance will be slightly affected by additional windows, ports and ambient air temperature.

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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