

# Temperature / Humidity Chambers

## Bench Top Units



**SD-500 Series**  
**SD-400 Series**  
**SD-200 Series**



**ASSOCIATED**  
**ENVIRONMENTAL SYSTEMS**

# Unit Specifications

Model	Working Volume	Dimensions (H x W x D)	Temperature Range	Temperature Rise Time	Temperature Pull Down Time	Humidity Range	Power Required
<b>BHD-403</b>	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-405</b>	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-408</b>	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 25 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-503</b>	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-505</b>	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-508</b>	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-203</b>	3 Cubic Ft.	Internal 16" x 20" x 18" External 28" x 49" x 28"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-205</b>	5 Cubic Ft.	Internal 20" x 20" x 22" External 32" x 49" x 32"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ
<b>BHD-208</b>	8 Cubic Ft.	Internal 24" x 24" x 24" External 34" x 53" x 34"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 2% RH Limited by +2°C Dew Point	220 V 1 Phase 60 HZ 200V 1 Phase 50 HZ

## Standard Features:

- Programmable Controller with RS232C
- Stainless Steel Interior
- Adjustable High Temperature Safety (Digital Set Digital Indicating)
- Multipane Viewing Window in Door
- Internal Light with External Switch
- 2" Diameter Access Port & Plug

## Options:

- Floor Stand with Casters
- Adjustable Stainless Steel Shelves
- Additional Ports and Plugs
- Heater For Window
- Two Pen Chart Recorders
- IEEE-488 Interface
- Demineralizer Cartridge System
- Self-Contained Humidity System

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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