



CHOOSING THE RIGHT EQUIPMENT

HOT BONDER COMPARISON GUIDE

	Single Zone				Dual Zone		
	HCS8800	HCS9000B	HCS9000B-EV	HCS9000-FL	HCS9200B	HCS9200B-EV	HCS9200-FL
Number of Zones	1	1	1	1	2	2	2
Input Amperage per Zone (Amps)	20	30	30	30	30	30	30
Operating Voltage (VAC)	90-264	90-264	90-264	90-264	90-264	90-264	90-264
Input Frequency (Hz)	47-63	47-63 400-440	47-63 400-440	47-63 400-440	47-63 400-440	47-63 400-440	47-63 400-440
Maximum Process Temperature (°F)	500	1000	1000	1000	1000	1000	1000
Primary Heating System	Blanket	Blanket Hot Air Radiant Lamp	Blanket Hot Air Radiant Lamp	Flightline Blanket	Blanket Hot Air Radiant Lamp	Blanket Hot Air Radiant Lamp	Flightline Blanket
Upper Blanket Size Limitations @ 5 Watts in ² at 120V / 220V	480 960	720 1440	720 1440	720 1440	720 1440	720 1440	720 1440
Network Functionality (Large Area Repair) (Requires Controller Console)	No	Yes	Yes	Yes	Yes	Yes	Yes
Operating Environmental Limitations Temperature °F	0-130	32-122	32-122	32-122	32-122	32-122	32-122
Relative Humidity % ± 5%	0-99	0-93	0-93	0-93	0-93	0-93	0-93
Vacuum Source	None	Shop Air	Shop Air / Int Pump	Shop Air	Shop Air	Shop Air / Ext Pump	Shop Air
Vacuum Lines	1 - 10ft	2 - 10ft	2 - 10ft	2 - 10ft	4 - 10ft	4 - 10ft	4 - 10ft
Vacuum Monitoring	On Screen Display	On Screen Display	On Screen Display	On Screen Display	On Screen Display	On Screen Display	On Screen Display
Return Vacuum Monitoring	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Thermocouple Type	J	J or K	J or K	J or K	J or K	J or K	J or K
Thermocouples per Zone	4	10	10	10	10	10	10
Temperature Accuracy	± 1°F	± 1°F	± 1°F	± 1°F	± 1°F	± 1°F	± 1°F
Number of Storable Cure Programs	8	30	30	30	30	30	30
Dwell Time	0-480 Min	0-2000 Min	0-2000 Min	0-2000 Min	0-2000 Min	0-2000 Min	0-2000 Min
Max Program Time	0-720 Min	0-2880 Min	0-2880 Min	0-2880 Min	0-2880 Min	0-2880 Min	0-2880 Min
Run Separate Programs on each Zone	N/A	N/A	N/A	N/A	Yes	Yes	Yes
Run Same Program on Both Zones at the same time	N/A	N/A	N/A	N/A	Yes	Yes	Yes
Ramp Rate	1-99	1-99	1-99	1-99	1-99	1-99	1-99
Programmable without a Personal Computer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Modify a Program in Process	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of Program Steps in a Cure Program	3 Ramps 2 Dwells	9 Ramps 8 Dwells	9 Ramps 8 Dwells	9 Ramps 8 Dwells	9 Ramps 8 Dwells	9 Ramps 8 Dwells	9 Ramps 8 Dwells
Full Functionality without a Personal Computer	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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	HCS8800	HCS9000B	HCS9000B-EV	HCS9000-FL	HCS9200B	HCS9200B-EV	HCS9200-FL
Full Text-based GUI, Real Language screens	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Variable Units of Measure	F / C InHg kPa mBar	F / C InHg kPa mBar	F / C InHg kPa mBar	F / C InHg kPa mBar	F / C InHg kPa mBar	F / C InHg kPa mBar	F / C InHg kPa mBar
Display Type	Mono chrome	Color LCD	Color LCD	Color LCD	Color LCD	Color LCD	Color LCD
Sunlight Readable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Interface	4 Button	Prompts	Prompts	Prompts	Prompts	Prompts	Prompts
Printout of Program and Cure	No	Yes	Yes	Yes	Yes	Yes	Yes
Vacuum Pressure Presented Visually	Yes	Yes	Yes	Yes	Yes	Yes	Yes
All TC's Status Presented Visually at Once	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TC Test / Blanket Test Prior to Start Cure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data Export	USB	USB	USB	USB	USB	USB	USB
Stored Cured Data	Last 6 Cures	Last 12 Cures	Last 12 Cures	Last 12 Cures	Last 12 Cures	Last 12 Cures	Last 12 Cures
Data Logging Interval	1 Min	1 Min	1 Min	1 Min	1 Min	1 Min	1 Min
Print Interval	N/A	1-99 Min	1-99 Min	1-99 Min	1-99 Min	1-99 Min	1-99 Min
Password Protection	No	Optional	Optional	Optional	Optional	Optional	Optional
Printer	No	1 per Zone	1 per Zone	1 per Zone	1 per Zone	1 per Zone	1 per Zone
Audible Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
High Limit Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Loss Recovery	Yes 2 Min	Yes 0-15 Min	Yes 0-15 Min	Yes 0-15 Min	Yes 0-15 Min	Yes 0-15 Min	Yes 0-15 Min
Printer Station Compatible	Yes	No	No	No	No	No	No
Weight (lbs)	4.1	15	29	25	28	38	37
Dimensions (L x W x H)	10 in x 6.5 in x 2.5 in	18 in x 13 in x 5.75 in	21.75 in x 14.25 in x 6.5 in	23.5 in x 17 in x 7.75 in	21.75 in x 14.25 in x 6.5 in	21.75 in x 14.25 in x 6.5 in	29 in x 19 in x 9.5 in
Removable Lid	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Equipment Storage in Lid	Separate Case	Optional	Optional	Optional	Optional	Optional	No
30 Amp Standard Circuit Breaker	No	Yes	Yes	Yes	Yes	Yes	Yes
CE Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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This and other information from HEATCON® Composite Systems provides product or system options for further investigation by users having technical expertise. Before you select or use any product or system it is important that you analyze all aspects of your technical application and review the information concerning the product in the current product catalog. The user, through their own analysis and testing, is responsible for making the final selection of the system and components and assuring that all performance, safety, and warning requirements of the application are met.