

HB-2 Dual Zone Explosion Proof Composite Repair System: Model HB2005E



WichiTech Industries, Inc. redefines the Explosion Proof Hot Bonder by offering an HB2005E that requires no hoses, either for pressurization of the case or for a venturi to generate vacuum. Tested by an independent laboratory, Dayton T. Brown, the WichiTech Explosion Proof Hot Bonder is in full compliance with NEC for Class 1, Division 1 and MIL-STD-810F hazardous environments operation. WichiTech's HB-2, P/N F4HB2005E, NSN 4920-01-553-8724RN is a Dual Zone unit with a built-in electric vacuum pump. The HB2005E is capable of operating on 85-265 VAC, 47-440HZ. Using 400Hz 115V generated by the planes engine or APU, the HB2005E becomes a truly portable Hot Bonder capable of being used anywhere at anytime. This is

another "first" in the industry of Hot Bonding created by WichiTech and sets us further apart from our competition.

The HB2005E has the standard features of light weight (38 lbs) in the same footprint as our regular HB2; sunlight readable display (unlike LCD's); built-in storage; indestructible case; a library that will support 32 cures; free software updates for as long as you own the unit; and a three year warranty. Service and calibration remain at 72 hours turnaround on average.

Additions to the HB2005E are the ability to link to dual PC's in realtime operation; built-in vacuum adjustment; and an additional vacuum port per zone. The HB2005E can be operated in either automatic or manual mode.

- ❖ *Two operator programmable, independent heating zones*
- ❖ *Two individual, adjustable vacuum zones*
- ❖ *Menu driven functions with single keystroke execution*
- ❖ *32 library cure program memory*
- ❖ *Multiple thermocouples, audible alarms, circuit breakers for safety/performance protection.*
- ❖ *Dual custom size color-coded printers*
- ❖ *Sunlight readable LED display*
- ❖ *Tough, lightweight Xenoy™ transport case, small enough to fit in airplane overhead storage*
- ❖ *Self-storing unit with space for cables, heating blankets, thermocouples*
- ❖ *Universal AC power 85-265 VAC, capable of operating on 50, 60 or 400Hz power*
- ❖ *S.I. or metric units*
- ❖ *Standard 72-hour service turnaround time*
- ❖ *Standard 3-year warranty*

WICHITECH
INDUSTRIES INC.
"CLEARLY SUPERIOR"™

HB-2 Dual Zone Explosion Proof Technical Specifications

CHARACTERISTIC

SPECIFICATION

Heating Zones	2- Operator Programmable in Bonder and/or Monitor modes
Heating System	Electric Blanket, Heat Lamps, Heat Gun
Heat/Dwell Steps	1 to 6
Heat Up Rate	1° to 15° F/minute in 1° increments
Dwell Temperature	500°F
Dwell Time	0 to 999 minutes in 1° increments
Cool Down Rate	1° to 15° F/minute in 1° increments (passive)
Temperature Accuracy	+/- 5° F
Heat Blankets	10"x10" and 12"x12", and 16"x16" (110V and 220V) standard
Thermocouple	Type J
Active Thermocouple Inputs	16 (Control and Backup)
Vacuum Pump (Standard)	Oil-Free, Electric, 0.90 CFM
External Vacuum	Shop Air with venturi at 60 to 120 psi
Vacuum Lines	2 with thru-bag connector
Active Vacuum Transducers	2 (0" to 30" Hg)
Alarm Conditions	Low Vacuum, Open Thermocouple, Under Temperature, Over Temperature, Backwards T/C, Failed T/C, Blanket Control Failure (No Heat)
AC Power Supply	Auto-switching 85 - 265 Volts 47 - 440 Hz, 20 Amp (400 Hz at 115VAC)
AC Safety Devices	Circuit Breaker - 20 Amp, 2 ea. for 40 Amps Total
Size	21" x 14" x 8"
Weight	38 lbs.

HB-2 Dual Zone Features

- ❖ Meets Class 1, Division 1 requirements of NEC and MIL-STD-810F
- ❖ Capable of operating on 50, 60 or 400Hz power
- ❖ Single or multiple T/C control (hottest, coldest, or median/average)
- ❖ Precision (1%) output power control
- ❖ Auto-switching AC universal power
- ❖ Generate vacuum with either internal electric vacuum pump or standard venturi
- ❖ 20A/zone operation, 2 zone.
- ❖ Standard 72-hour service turnaround time
- ❖ Standard 3-year warranty

For more information, to place an order, or for a personal demonstration, please contact:

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P/N

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Visa and MasterCard accepted.

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