



HBT Series Horizontal

Low Temperature Batch Furnaces



Standard Features

- ◆ Six models electrically heated
- ◆ 750°C maximum operating temperature
- ◆ Low thermal mass insulation
- ◆ Charge supported on silicon carbide skid rails
- ◆ Rapid heating with forced air circulation
- ◆ Excellent temperature uniformity over the range 150°C - 750°C
- ◆ Flue with adjustable damper
- ◆ Low case temperatures
- ◆ Controls:

Separate control panel on right hand side housing:

- P.I.D. digital temperature controller
- Excess temperature cut out instrument
- Main heating thyristor and safety back-up contactor
- Main isolator
- Fuses and circuit breakers
- 110V control

- ◆ Finish
 - Exterior painted mist grey



Optional Accessories and Features

- ◆ Inert gas entry on furnace with flowmeter and control valve
- ◆ Other standard accessories include:
 - Time switch clock
 - Process timer
 - Programmable temperature control
 - Thyristor power control
 - Temperature recorders

MODEL	CHAMBER			OVERALL DIMENSIONS			RATING	NET WT	GROSS WT	CUBE
	W*	H*	D*	W	H	D	KW	Kg	Kg	Cub.Mts
HBT 11	240	145	500	800	1545	880	6	250	375	2.4
HBT 22	335	245	760	950	1680	1290	9	400	600	4.0
HBT 33	460	276	900	1100	1800	1350	15	550	825	4.9
HBT 44	665	415	1100	1270	1950	1660	30	950	1450	7.0
HBT 55	865	415	1400	1470	1950	1960	42	1250	1900	9.0
HBT 66	865	565	1400	1470	2100	1960	48	1450	2200	9.3

NOTE:

All dimensions in mm. Uniformity $\pm 5^{\circ}\text{C}$ over the useable range 150°C - 750°C

* Door opening

For more information

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