

BD BOX FURNACE

GENERAL INFORMATION

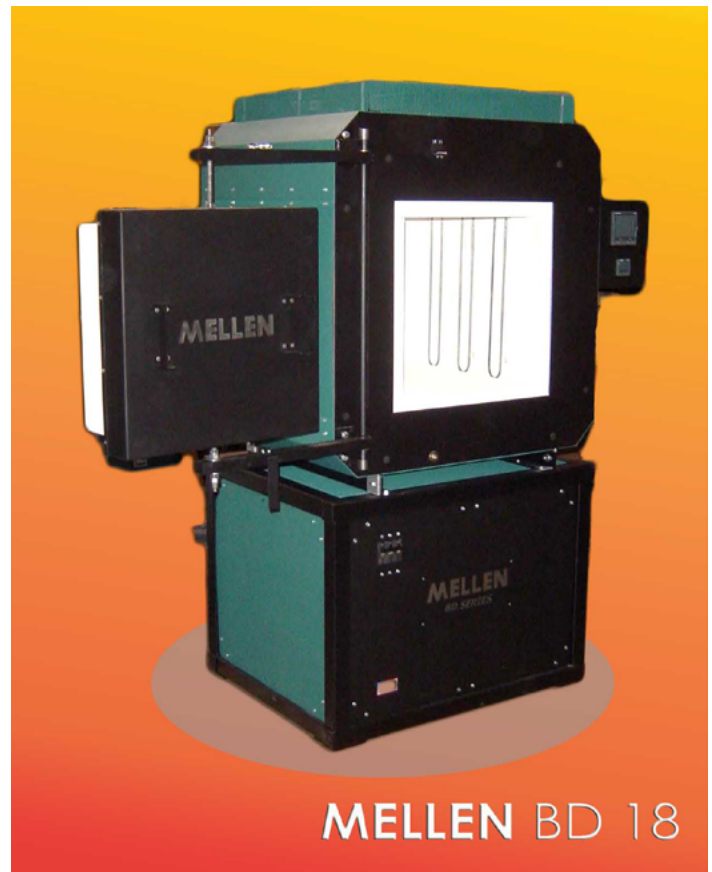
The furnace operates at temperatures up to 1800°C in air. It utilizes a reinforced, double-walled steel shell construction that provides a cooler exterior and maintains its shape after repeated thermal cycling. The shell is comprised of 1/8 inch thick sheet metal as well as 1/4 inch thick end plates. A double-pivoting door safely keeps the hot door face away from the operator when accessing the chamber.

HEATING ELEMENT

The furnace utilizes Moly Disilicide heating elements capable of 1800°C in air. They are operated with low surface-watt loading for longer life at elevated temperatures. The heating elements are field-replaceable and are strategically located to radiate uniformly to the internal chamber on all four sides. There are no power restrictions, even during heat up. When the furnace is idling at temperature, it is running well below the manufacturer's recommendations for watt density.

CONTROLLER

Sold Separately - Current-limited phase-angle fired power supply recommended.



MELLEN BD 18

SERIES	BD Box Furnace
MAX TEMPERATURE	1800°C
ELEMENT TYPE	Moly Disilicide
CONTROLLER	Sold Separately
VOLTS	208V/240V

*As always, if this product does not meet your requirements, please contact us.
Mellen will work with you personally to create a product that best suits your needs every time.*

Prices are valid until 2018.



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MODEL	HEATED LENGTH (WxHxD)	W	EXTERNAL DIMENSIONS (WxHxD)	LITER CAPACITY	MAX TEMP
BD17-6x6x6	6"x6"x6"	4025W	26"x31"x22"	3.5 L	1700°C
BD17-6x6x12	6"x6"x12"	6325W	26"x31"x32"	7 L	1700°C
BD17-9x9x12	9"x9"x12"	9085W	29"x35"x32"	16 L	1700°C
BD17-12x12x12	12"x12"x12"	12650W	32"x38"x32"	28 L	1700°C
BD17-12x12x18	12"x12"x18"	13800W	32"x38"x42"	42 L	1700°C
BD17-12x12x24	12"x12"x24"	14950W	32"x38"x47"	56.5 L	1700°C
BD17-12x12x36	12"x12"x36"	16100W	32"x38"x62"	84.95 L	1700°C
BD17-18x18x18	18"x18"x18"	17250W	38"x47"x42"	95.5 L	1700°C
BD18-6x6x6	6"x6"x6"	5175W	32"x35"x22"	3.5 L	1800°C
BD18-6x6x12	6"x6"x12"	7475W	32"x35"x32"	7 L	1800°C
BD18-9x9x12	9"x9"x12"	10350W	35"x39"x32"	16 L	1800°C
BD18-12x12x12	12"x12"x12"	14950W	32"x42"x32"	28 L	1800°C
BD18-12x12x18	12"x12"x18"	16100W	32"x42"x42"	42 L	1800°C
BD18-12x12x24	12"x12"x24"	17250W	32"x42"x47"	56.5 L	1800°C

Please note, all exterior dimensions are approximate.

