



## »» Blue M

Box Furnace Atmosphere Retort

### Box Furnace Atmosphere Retort

It's economical price makes this Retort ideal for a wide range of controlled atmosphere processes. It offers maximum operational convenience, reliability and repeatability, and come in a variety of retort sizes.



#### ► Features

- Designed for use with Blue M box furnace and control console systems
- High temperature alloy for continuous use temperature of 1090° C (1995° F)
- O-ring seal between door plug and retort plate
- Toggle clamps for positive seal
- Heliarc-welded heavy gauge stainless steel construction
- Atmosphere sealed chamber
- Hinged door plug (included in all retorts with - H designation)
- Atmosphere inlet and outlet tube and one monitor thermocouple port

### 1100°C UTILITY BOX RETORT (1050°C Maximum Retort Temp.)

Model	Chamber Width in. (cm)	Chamber Depth in. (cm)	Chamber Height in. (cm)	Chamber cu.ft.	Furnace Model
592341	14 (35.6)	23 (58.4)	16 (40.6)	2.981	52341
592361	14 (35.6)	35 (88.9)	16 (40.6)	4.537	52361
592641	20 (50.8)	23 (58.4)	22 (55.9)	5.856	52641
592561	20 (50.8)	35 (88.9)	16 (40.6)	6.481	52561
592661	20 (50.8)	35 (88.9)	22 (55.9)	8.912	52661
592681	20 (50.8)	47 (119.4)	22 (55.9)	11.968	52681
592861	32 (81.3)	35 (88.9)	22 (55.9)	14.259	52861
592961	32 (81.3)	35 (88.9)	34 (86.4)	22.037	52961
592981	32 (81.3)	47 (119.4)	34 (86.4)	29.593	52981

### 1200°C BOX FURNACE RETORT (1050°C Maximum Retort Temp.)

Model	Chamber Width in. (cm)	Chamber Depth in. (cm)	Chamber Height in. (cm)	Chamber cu.ft.	Furnace Model
59144	6.5 (16.5)	12.75 (32.4)	4.25 (10.8)	0.204	51442
59154-H	9.5 (24.1)	14.25 (36.2)	8.75 (22.2)	0.685	51542-HR
59164-H	11.75 (29.8)	13.75 (34.9)	7 (17.8)	0.654	51642-HR
59166-H	10.75 (27.3)	13.38 (34)	11.25 (28.6)	0.936	51662-HR
59168-H	10.75 (27.3)	23.75 (60.3)	11.25 (28.6)	1.662	51668-HR
59186-H	13 (33)	24 (61)	13 (33)	2.347	51862-HR

### 1500°C BOX FURNACE RETORT (1090°C Maximum Retort Temp.)

Model	Chamber Width in. (cm)	Chamber Depth in. (cm)	Chamber Height in. (cm)	Chamber cu.ft.	Furnace Model
59133	5.25 (13.3)	12 (30.5)	4 (10.2)	0.146	51333
59163-H	10.75 (27.3)	14.88 (37.8)	11.25 (28.6)	1.041	51663-HR
59183-H	10.75 (27.3)	23.75 (60.3)	11.25 (28.6)	1.662	51683-HR
59193-H	14.5 (36.8)	22.75 (57.8)	13.5 (34.3)	2.577	51863-HR

#### Options:

- Viton seals
- Maximum temperature of 1250°C
- Circulating fans on 1100°C Utility Box Retorts
- Inert atmosphere flowmeters
- Roller cart
- Retort thermocouples
- Retort locks offer automatic locking of the retort plug for combustible atmospheres
- When working with combustible atmospheres, an automatic combustion atmosphere safety system must be used
- When box furnace is purchased with a retort, a separate door plug is included for use when the retort is not utilized. Hinged door plug normally supplied with non retort box furnaces is not included

All specifications are subject to change without notice.



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Specifications and Product Information are subject to change without notice.

THERMAL PRODUCT SOLUTIONS

»»Blue M »»Gruenberg »»Lindberg/MPH »»Tenney