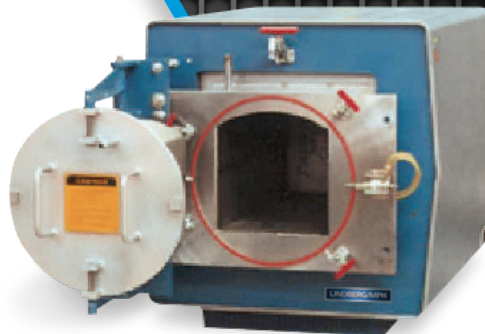


Box Furnace Atmosphere Retort

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



Features

- Designed for use with Lindberg/MPH 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 Nickel Alloy construction
- Atmosphere sealed chamber
- Hinged door plug (included in all retorts with - H designation)
- Atmosphere inlet and outlet tube and one monitor thermocouple port

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

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

Model	Chamber Dimensions in. (cm)			Chamber Cubic Feet	Furnace Model
	W	D	H		
592341	14 (35.6)	23 (58.4)	16 (40.6)	2.98	52341
592361	14 (35.6)	35 (88.9)	16 (40.6)	4.54	52361
592641	20 (50.8)	23 (58.4)	22 (55.9)	5.86	52641
592561	20 (50.8)	35 (88.9)	16 (40.6)	6.48	52561
592661	20 (50.8)	35 (88.9)	22 (55.9)	8.91	52661
592681	20 (50.8)	47 (119.4)	22 (55.9)	11.97	52681
592961	32 (81.3)	35 (88.9)	34 (86.4)	22.04	52961
592981	32 (81.3)	47 (119.4)	34 (86.4)	29.59	52981

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

Model	Chamber Dimensions in. (cm)			Chamber Cubic Feet	Furnace Model
	W	D	H		
59144	6.5 (16.5)	12.75 (32.4)	4.25 (10.8)	0.21	51442
59154-H	9.25 (23.5)	14.25 (36.2)	8.75 (22.2)	0.67	51542-HR
59164-H	11.75 (29.8)	13.75 (34.9)	7 (17.8)	0.65	51642-HR
59166-H	10.75 (27.3)	13.25 (33.7)	11.25 (28.6)	0.93	51662-HR
59168-H	10.75 (27.3)	23.75 (60.3)	11.25 (28.6)	1.66	51668-HR
59186-H	13 (33)	24 (61)	13 (33)	2.35	51862-HR

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

Model	Chamber Dimensions in. (cm)			Chamber Cubic Feet	Furnace Model
	W	D	H		
59133	5.25 (13.3)	11.5 (29.2)	4 (10.2)	0.14	51333
59163-H	10.75 (27.3)	13.25 (33.7)	11.25 (28.6)	0.93	51663-HR
59183-H	10.75 (27.3)	23.75 (60.3)	11.25 (28.6)	1.66	51683-HR
59193-H	14.5 (36.8)	25.75 (65.4)	13 (33.0)	2.81	51863-HR

All specifications are subject to change without notice.

