

Thermoline / Lindberg Blue M Oven

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Tool Type: Oven

Location: Innovation Workshop

Description: Oven

Manufacturer: Thermo Scientific

Last updated 3/15/23 Haley

About

From the manufacturer: Benefit from a digital control, built-in over-temperature protection and a flexible vacuum/purge/release system with Thermo Scientific™ Lindberg/Blue M™ Vacuum Ovens. These ovens work well with a range of applications including drying, curing, outgassing, aging, process control and other applications requiring elevated temperature in reduced atmospheres or vacuum/purge with nonflammable and inert atmospheres.

Safety Concerns

- High Voltage
- High Temperature
- No combustibles or hazardous materials
- Thermally insulating gloves must be worn when working with hot items. They can usually be found on the bench next to the ovens.
- No food may be placed in laboratory ovens.
- Never heat a sealed container.
- Do not operate the oven if it is damaged, or is not working properly. Please place a note on the oven to alert other users, and notify laboratory staff of the problem.
- **Double containment is required for heating containers of liquid to prevent leaked material from contaminating the oven. This is especially true when heating PDMS molds.**

Operating Procedures

1. Enter the set point temperature (see instructions for the different controllers below)
2. Place your items in the oven. Remember to place liquid materials on a baking sheet or other secondary container.
3. Set the countdown timer for the length of your run. If the timer reads zero time remaining another user who needs to use the oven may remove your items.
4. Remove your items from the oven and close the door.
5. The oven is left powered on.

Changing the oven set point

1. Use the $\uparrow \downarrow$ to adjust the temperature
2. Press the SET/ENT button

Setting the countdown timers

1. Make sure that the slide switch on the right is on countdown
 2. Enter the run time (HMS Buttons)
 3. Press Start/Stop
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Detailed Specifications

- 4.5 cu.ft.
 - Corrosion-resistant Stainless Steel
 - Digital Microprocessor Control
 - 127.4L
 - 1 door
 - 2 shelves
 - 6°C to 260°C
 - Temperature Resolution: $\pm 1^\circ\text{C}$
 - Temperature Uniformity: $\pm 3.5^\circ\text{C}$
 - Interior: 24 x 18 x 18 in.
 - 325 lb.
 - 120 V
 - 1500W
 - 50/60 Hz
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Reference Documentation

[Laboratory Oven SOP](#)

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Last update: **2023/03/15 22:24**

