

Quincy 30GC Lab Oven

Cautions

- Eye protection is mandatory.
- Use thermal gloves or tongs to remove items from their heated surfaces.
- Oven exterior walls and doors may become hot to the touch when operating at higher set temperatures.
- Turn off when not in use. Do not leave the oven unattended during operation.
- Do not use the oven with any flammable solvents or gasses or in proximity to any flammable solvents, gasses or materials.
- Do not use oven while standing in water or if cords appear frayed or burnt.

Description and Uses

The lab oven is used in the printmaking studio to cure and harden emulsions and films on copper plates.

Standard Operation

Note: only those individuals that have received proper instruction are allowed to use the lab oven. Please refer to training demonstrations for specifics about materials and settings.

Heating the Oven

1. Ensure that the area is clean and clear of combustible materials.
2. Switch on the ON/OFF power switch
3. The oven comes with a dual-range “quick-set” knob dial. The dial is marked with Fahrenheit and Celsius temperatures. Rotate the thermostat dial to the desired temperature. The heat cycle light will cycle on and off while the oven maintains its temperature.
4. It may take up to 20 minutes for the oven to reach optimal temperature.

Chamber Loading/ Unloading

1. Place items to be heated on the wire racks. Be sure to use tongs or oven mitts to prevent touching hot surfaces.
2. Place objects in the oven so that they do not restrict airflow and result in non-uniform temperatures. Don't overload the unit with large (in quantity OR size), or high-density loads.
3. Remove the object(s) using tongs or oven mitts

Turning the Oven Off

1. Turn the oven off when finished by turning the knob counter-clockwise back to 0
2. Switch the ON/OFF power switch to the off position. Wait for the oven to cool off before using it again.

Further Considerations

- Periodically check the rear air intake vents for dirt or dust build-up.
- Keep the intake and exit ports clear of obstructions, dirt and dust.
- Check the actual oven chamber temperature with a temperature measurement device annually.
- To clean the exterior and interior surfaces, use a damp cloth or an all-purpose cleaner. Do not use oven cleaners.
- If water or other liquid has been spilled onto the heating element have the equipment serviced before use.
- Ask other workers to move away from the oven while in use.
- Do not leave the oven unattended while in operation.
- Do not adjust the controls to operate above the oven's stated maximum operating temperature.
- If the oven is not operating correctly then notify your supervisor immediately. Do not attempt to operate again until corrective action has been taken and documented. Only supervisors are trained and are permitted to perform maintenance to the lab oven.

- Do not use the oven to heat water or other liquids.

Hazards

Severe burns and other injuries can occur when heating devices are not used correctly or without proper Personal Protective Equipment (PPE) like oven mitts or tongs.