



ENVIRONMENTAL HEALTH & SAFETY FACT SHEET: ALTERNATIVES TO GAS FIRED BUNSEN BURNERS



FIREBOY Bunsen burner by Integra Biosciences

A mobile Bunsen burner with non-touch sensor ignition. Has flame monitoring, over-temperature and burning time limitation.

Timer: 10 to 60 minutes

Operates in three modes:

- Foot switch: Flame stays as long as the foot switch is pressed
- Continuous: Manually switch On/Off
- Sensor: The sensor registers your hand movement and ignites the flame automatically



FIREBOY plus

Bacti-Cinerator IV

Sterilizes platinum loops and needles safely and conveniently

Prevents infectious spatter and cross contamination

The Bacti-Cinerator IV utilizes infrared heat to incinerate organic material deep within the ceramic funnel.

Sterilization takes only 5 to 7 seconds at optimum sterilizing temperature of 1500°F.

Unit can be used in anaerobic chambers



Electric Bunsen burner

Combines gas efficiency with precision electric control

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Burner concentrates heat at top making it ideal for heating test tubes, crucibles, small flasks and beakers, or for sterilizing inoculating needles for microbiological work. 400-w. element produces temperatures of 800-1000°C.

Specially formed, replaceable element is mounted in the top of a cylindrical housing which has ventilation holes at the bottom for cooling. The unit may be handheld at the base for direct heating. Removable cowl deflects heat away from hand. Corrosion-resistant metal housing. CSA certified. 7-in. high, 4.5-in. diam. at base.



FLAMEBOY Portable flame sterilizer

The FLAMEBOY is a handy, portable flame sterilizer with piezo-electric ignition for safe flame sterilization. Compatible to a wide range of common gas cartridges including, Camping Gaz CP250, CV270, CV360 and CV470 or other butane cylinders, the FLAMEBOY is independent of any gas distribution system. The gas cartridge adapters are very easily mounted by means of an intelligent 'click and go' mechanism.

Features and benefits:

Piezo-electric triggered ignition for immediate use

Pistol grip for convenient holding.

Various gas cartridge adapters for independent and portable use.



Glass Bead Sterilizer

Ideal for sterilizing surgical instruments. To use, simply insert the cleaned surgical instrument, leave for 5 seconds, and remove. Within 30 seconds, the surgical instruments are cool enough to use. The chassis stays cool, even at the end of a full day of operations. The air above the unit is cool enough to insert an instrument into the well without discomfort. Sterilization of the inserted parts by dry heat (250° C) takes 3-5 seconds. The working end is sterile before the handles get hot. The sterilizer's small size fits conveniently into the back corner of a hood or surgical table.



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