

INTEGRA



FIREBOY Safety Bunsen Burner

FIREBOY



Working with an open flame is an integral part of many routine applications in life sciences and chemistry laboratories. But the dangers of working with alcohol burners, ordinary gas cookers or standard Bunsen burners connected to the house gas system should not be underestimated. Hence, it is not surprising that explosions and fires caused by such devices are common sources of laboratory accidents

The FIREBOY Safety Bunsen Burner was developed to eliminate these dangers. Its elaborate design provides the user with the most convenient way of operation and at the same time meets today's highest safety standards.

Safe operation

DVGW* safety certified, the FIREBOY is proven to ensure highest application safety by eliminating the risk of gas leaking and explosion. With the FIREBOY, gas flows and the flame ignites only if consciously activated by the operator. To prevent unignited gas leakage, the FIREBOY automatically tries to reignite the flame if it accidentally extinguishes. Should it for any reason fail to do so, the unit will interrupt the gas supply. An automatic shut off after a user-defined maximum burning time, eliminates any danger if the unit is unintentionally left on.



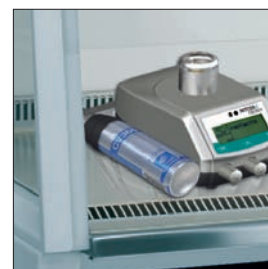
Convenient handling

The FIREBOY is built to provide a convenient operation. All functions are easily controlled by the intuitive graphical user interface. Gas ignition is both rapid and safe – the FIREBOY requires no lighter or matches. The FIREBOY can be operated in different operation modes. The automatic ignition, triggered by the optical sensor or the foot switch, allows hands-free operation.



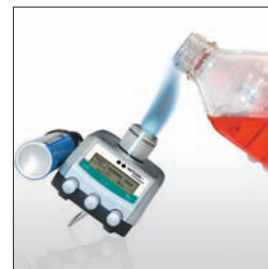
Independent and portable

The FIREBOY provides you with maximal flexibility if equipped with a rechargeable battery and a gas cartridge adapter. All adapters can be easily connected to the FIREBOY by a proprietary quick coupling system – a perfect solution for working in a laminar bench flow or even outdoors.



Functional and robust design

The FIREBOY requires only minimal bench space. It is robust and can not tip over during use. The smooth, chrome-plated metal housing is easy to clean and provides both UV and solvent resistance. To protect the burner chamber from contamination when working with liquids, the folding stand at the base of the FIREBOY can be used to incline the device.





FIREBOY plus



FIREBOY eco

Features

FIREBOY eco

FIREBOY plus

Safety

| | | |
|-------------------------|---|---|
| Flame monitoring | ✓ | ✓ |
| Overtemperature switch | ✓ | ✓ |
| 2x sensor activation | – | ✓ |
| Adjustable burning time | – | ✓ |
| DVGW certification | ✓ | ✓ |

Convenient handling

| | | |
|--------------------------|---|---|
| Graphical user interface | – | ✓ |
| Button mode (Continuous) | ✓ | ✓ |
| Foot switch mode | ✓ | ✓ |
| Sensor mode | – | ✓ |

Independent and portable

| | | |
|---------------------------------------|---|---|
| Quick coupling gas cartridge adapters | ✓ | ✓ |
| Battery operation | – | ✓ |
| Automatic power off | – | ✓ |
| Removable burner head | ✓ | ✓ |

Robust and Functional design

| | | |
|-------------------------------------|---|---|
| UV / solvent resistant housing | ✓ | ✓ |
| Folding stand to incline the device | ✓ | ✓ |

Technical Data

| | |
|-------------------|---------------------------|
| Footprint (W x D) | 100 x 150 mm |
| Height | 60 mm without burner head |
| Weight | 1300 g |

Gas input pressure

| | |
|---------------------|---------|
| Propane-/Butane gas | 50 mbar |
| Natural gas | 20 mbar |

Power Supply

| | |
|------------------|-----------------------|
| Input voltage | 100–240 VAC, 50/60 Hz |
| Primary adapters | EU, UK, US, JP, AU |

Ordering information

Instruments

| | | Part No. |
|---------------------|---|-----------------|
| FIREBOY plus | Safety Bunsen Burner with graphical user interface, flame monitor and overheating protection, 3 operation modes (foot switch, button or sensor) <ul style="list-style-type: none"> • Mains adapter • 2 nozzles: propane/butane (P60) and natural gas (N80) • Adapter for standard gas hose with inner diameter 10 mm | 144 000 |

| | | |
|--------------------|---|---------|
| FIREBOY eco | Safety Bunsen Burner with flame monitor and overheating protection <ul style="list-style-type: none"> • Mains adapter • 2 nozzles: propane/butane (P60) and natural gas (N80) • Adapter for standard gas hose with inner diameter 10 mm • Foot switch | 144 010 |
|--------------------|---|---------|

Accessories



CV 360



CP 250



CV 270/470



EXPRESS 444



Long burner head



Splash protector



Windshield

| | | |
|-----------------------|--------------------------|---------|
| Gas cartridge adapter | for Campingaz CV 360 | 144 050 |
| | for Campingaz CP 250 | 144 051 |
| | for Campingaz CV 270/470 | 144 052 |
| | for EXPRESS 444 | 144 053 |

| | |
|---|---------|
| Battery NiMH 3.6 V/2000 mAh, rechargeable (only FIREBOY plus) | 144 310 |
| Foot switch and connecting cable | 143 200 |
| Benchtop switch | 171 081 |
| Long burner head for heating in combination with e.g. tripod. | 144 306 |
| Windshield for hoods | 143 205 |
| Borosilicate glass splash protector | 143 210 |
| Gas safety tubing, inner diameter 10 mm, length 2.0 m, max. pressure 100 mbar, DVGW-approved* | 140 055 |
| Adapter for standard gas hose with inner diameter 10 mm | 144 240 |
| Adapter for ¼" left hand thread, DVGW-approved* | 144 227 |

*) DVGW: German Technical and Scientific Association for Gas and Water (e.V. for conformity assessment of products in gas and water supply).



N1612



Swiss made



INTEGRA Biosciences AG
 CH-7205 Zizers, Switzerland
 T +41 81 286 95 30
 F +41 81 286 95 33
 info@integra-biosciences.com
 www.integra-biosciences.com

VIAFLO Corporation
 NH 03051 Hudson, USA
 T +1 603 578 5800
 F +1 603 577 5529
 www.viaflo.com



INTEGRA