

# FIREBOY



Safety Bunsen Burner

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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 ensures highest application safety by eliminating the risk of gas explosions and fires. With the FIREBOY, gas flows and the flame ignites only if consciously activated. When the flame is inadvertently distinguished, the FIREBOY automatically makes an attempt to reignite the flame. If the flame has not ignited by about 3 seconds, the flame monitor closes off the gas valve and thereby prevents gas leaking. An automatic shut off after a user-defined maximum burner 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.





**FIREBOY plus**



**FIREBOY eco**

**Features**

**FIREBOY eco**

**FIREBOY plus**

**Safety**

Flame monitoring	✓	✓
Overtemperature switch	✓	✓
2x sensor activation	–	✓
Automatic unit switch off	–	✓
Maximal 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	–	✓
Removable burner head	✓	✓

**Robust and Functional design**

UV / solvent resistant housing	✓	✓
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**Technical Data**

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

**Power Supply**

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

**Gas input pressure**

Propane-/Butane gas	50 mbar
Natural gas	20 mbar

# Ordering information

	Description	Unit	Part No.
<b>FIREBOY plus</b>	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"> <li>■ 2 nozzles: propane/butane (P60) and natural gas (N80)</li> <li>■ Connector for 10 mm Ø gas tube</li> </ul>	1	144 000
<b>FIREBOY eco</b>	Safety Bunsen Burner with flame monitor and overheating protection <ul style="list-style-type: none"> <li>■ 2 nozzles: propane/butane (P60) and natural gas (N80)</li> <li>■ Connector for 10 mm Ø gas tube</li> <li>■ Foot switch</li> </ul>	1	144 010

## Accessories



CV 360



CP 250



CV 270/470

Gas cartridge adapter CV 360	1	144 050
Gas cartridge adapter CP 250	1	144 051
Gas cartridge adapter CV 270/470	1	144 052



Battery NiMH 3.6 V/2000 mAh, rechargeable (only FIREBOY plus)	1	144 310
Foot switch and connecting cable	1	143 200
Benchtop switch	1	171 081
Windshield for hoods	1	143 205
Borosilicate glass splash protector	1	143 210
Safety tubing Ø 10 mm. Length 2.0 m, max. pressure 100 mbar, DVGW-approved*	1	140 055
Tube adapter Ø 10 mm	1	144 240
Adapter for ¼" left hand thread, DVGW-approved*	1	144 227



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



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Swiss made

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