



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 automatically shut off after a user-defined maximum burning time, eliminates any danger if the unit is unintentionally left on.



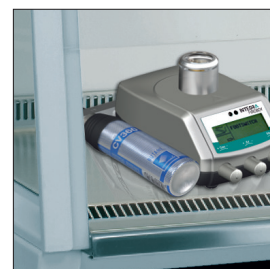
Convenient handling

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 flow bench 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
Max. flame temperature	1200 °C

Power Supply

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

Ordering information

Instruments

FIREBOY plus

Safety Bunsen Burner with graphical user interface, flame monitor and overheating protection, 3 operation modes (foot switch, button or sensor)

- Mains adapter
- 2 nozzles: propane/butane (P60) and natural gas (N80)
- Adapter for standard gas hose with inner diameter 10 mm

Part No.

144 000

FIREBOY eco

Safety Bunsen Burner with flame monitor and overheating protection

- 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 300 Plus



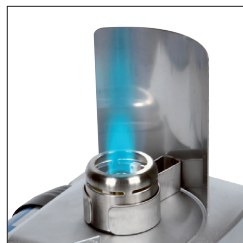
EXPRESS 444



Long burner head



Splash protector



Windshield

Gas cartridge adapter	for Campingaz CV 360	144 055
	for Campingaz CP 250	144 051
	for Campingaz CV 300 Plus / CV 470 Plus	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 1/4" 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).



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