



## FIREBOY

Safety Bunsen Burner



**Safe**  
operation

**2 models**  
to choose from

**Portable**  
design

## SAFE AND PORTABLE



### FIREBOY

Safety Bunsen Burner

Bunsen burners are commonly used for flame sterilization work. However, the dangers of working with standard Bunsen burners should not be underestimated, as they can pose a major source of danger if they leak highly flammable gas.

The portable **FIREBOY Safety Bunsen Burner** has been designed to maximize safety by preventing gas leaks or the burner being left on unintentionally, minimizing the risk of fires or burns.



#### Did you know?

The **FIREBOY plus** (as shown) offers these additional key features over the more affordable **FIREBOY eco**:

- 2x sensor activation
- Adjustable burning time
- Graphical user interface
- Sensor mode
- Battery operation
- Automatic power off



## Safe operation

The **FIREBOY** is DVGW (German Technical and Scientific Association for Gas and Water) certified to ensure the highest possible safety by eliminating the risk of gas leaks or explosions. Gas only flows when the unit is ignited by the user. If the flame is inadvertently extinguished, the **FIREBOY** automatically tries to reignite the flame. If it fails, the unit will interrupt the gas supply to prevent unignited gas leakage. Additionally, an automatic shut off after a user-defined maximum burn time eliminates any danger if the unit is unintentionally left on.



## Convenient handling

All **FIREBOY** functions and operating modes are easily accessed via three intuitive control buttons and a graphical user interface (FIREBOY plus). Gas ignition is both rapid and safe, requiring no lighter or matches, with automatic ignition triggered by an optical sensor (FIREBOY plus), foot or benchtop switch to offer hands-free operation.



## Independent and portable

The **FIREBOY** provides you with maximal flexibility if equipped with a rechargeable battery and a gas cartridge adapter, offering the perfect solution for working in a laminar flow bench or even outdoors. A proprietary quick coupling system ensures that various gas supplies can be easily connected to the **FIREBOY**, to suit your research needs.



## Functional and robust design

The **FIREBOY** only requires minimal bench space. Its robust design ensures that it cannot tip over during use, while the smooth, chrome-plated metal housing allows easy cleaning and provides both UV and solvent resistance. A folding stand can also be used to incline the device, protecting the burner chamber from spills when working with liquids.



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
Max. flame temperature	1200 °C

Features	FIREBOY eco	FIREBOY plus
<b>Safety</b>		
Flame monitoring	✓	✓
Overtemperature switch	✓	✓
2x sensor activation	–	✓
Adjustable burning time	–	✓
DVGW certification	✓	✓
Automatic power off	–	✓
<b>Convenient handling</b>		
Graphical user interface	–	✓
Button mode (Continuous)	✓	✓
Foot switch mode	✓	✓
Sensor mode	–	✓
Removable burner head	✓	✓
<b>Independent and portable</b>		
Quick coupling gas cartridge adapters	✓	✓
Battery operation	–	✓
<b>Robust and functional design</b>		
UV / solvent resistant housing	✓	✓
Folding stand to incline the device	✓	✓



FIREBOY eco



FIREBOY plus



## Ordering information

Instruments		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>• Mains adapter</li> <li>• 2 nozzles: propane/butane (P60) and natural gas (N80)</li> <li>• Adapter for standard gas hose with inner diameter 10 mm</li> </ul>	144 000
<b>FIREBOY eco</b>	Safety Bunsen Burner with flame monitor and overheating protection <ul style="list-style-type: none"> <li>• Mains adapter</li> <li>• 2 nozzles: propane/butane (P60) and natural gas (N80)</li> <li>• Adapter for standard gas hose with inner diameter 10 mm</li> <li>• Foot switch</li> </ul>	144 010

### Accessories

#### Gas cartridge adapter



for Campingaz CV 360  
Part no. 144 055



for Campingaz CV 250  
Part no. 144 051



for Campingaz CV 300 Plus /  
CV 470 Plus  
Part no. 144 052



for EXPRESS 444  
Part no. 144 053

Description	Part no.
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

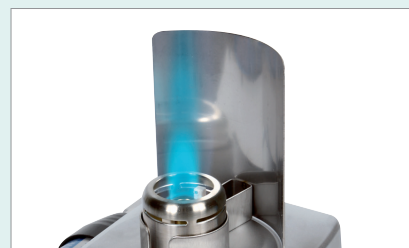
\*) DVGW: German Technical and Scientific Association for Gas and Water (e.V. for conformity assessment of products in gas and water supply).



Long burner head



Splash protector



Windshield



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