



GasProfi 1-Micro

**Model: GasProfi1, Micro**

Today there is the gasprofi 1 edition burner for optimal safety in the chemistry laboratory.

The gasprofi 1 safety burner meets maximum safety standards for working with flames. In a chemistry lab in particular, safety is a crucial factor when working with a flame. Bunsen burners were standard equipment in laboratories for many years but they were the cause of many accidents and fires.

**Gasprofi 1 edition changes all this!**

This safe gas burner for sterilizing, heating and other flame related applications combines all the functional advantages needed in modern laboratories.

**Flame monitor for more safety**

The flame is re-ignited automatically if it goes out inadvertently. For example, if the flame is extinguished due to over-boiling of liquids and cannot be re-ignited, the burner automatically shuts the gas supply off for safety.

**Simple and safe operation**

Switch flame on and off at the touch of a button – no matches needed.

**Energy-saving consumption**

The flame burns only as long as it is required. The strength of the flame can be adjusted by an air regulator.

**Robust**

All external components are made of stainless steel for maximum sterility. If liquids are spilled, they can flow out through a drain. The burner head can be removed for thorough cleaning.

**Flexible use**

Gasprofi 1 can be used with natural gas or propane/butane gas. Special safety adapters are available for use with different gas cylinders.



FUEGO SCS BASIC

**Model: FUEGO SCS Basic/Digital Safety Enhanced Laboratory Gas Burner With Stainless Steel Foot Pedal And Button Function.**

The Fuego SCS basic represents a new standard among laboratory gas burners. With its innovative design this laboratory gas burner is suitable for all flame related applications in the laboratory.

**Safety Enhanced Laboratory Gas Burner With Touch Free IR-Sensor And Button Function.**

The Fuego SCS Digital represents a new status among laboratory gas burners. With its innovative design and the extensive standard features this laboratory gas burner is suitable for all flame related applications in the laboratory.

**Features:**

- With stainless steel foot pedal and button function (Digital: With IR-Sensor, LC-Display and Button function).
- 3 standard-programs for foot pedal and button function (Digital: 5 standard- programs for IR-Sensor).
- Adjustable IR-Sensor reaction distance (Digital model only).
- Double Click IR-Sensor (connectable) (Digital model only).
- SCS (Safety Control System) with BHC (Burner Head Control).
- Removable and decomposable burner head.
- Tilt mechanism, right / left.
- Holding device for 3 inoculation loop holders.
- Nozzles for natural gas, propane / butane gas.
- Turbo flame.
- Wrench 17 mm for gas connection.
- Screwdriver for burner head and cover of burner shaft.
- Tubing connector with swivel nut.
- Switching power supply (global).



FUEGO SCS DIGITAL

Model	GasProfi 1-Micro	Fuego SCS Basic	Fuego SCS Digital
Technology	Microprocessor		Microprocessor, LC-display
IR-Sensor	Start-stop with timer~2h, auto-off with timer~2h		
Foot pedal	Standard (flame during pressed foot pedal)		
Button	start-stop timer - 60min,		start-stop timer ~2h
Safety control system (SCS) with gas safety cut off	Ignition and flame control, temperature monitor, burner head clogging and assembly monitor (BHC), automatic unit switch off, 4h residual heat display		Ignition and flame control, temperature monitor, burner head clogging and assembly monitor (BHC), automatic unit switch off, 1-2h residual heat display
Gas connection	1/4" left with gas filter		
Gas types	I12ELL3B/P, nature gas E/LL 18-25 mbar, liquid gas, 20-50 mbar		
Connected load	70 g/h liquid gas		
Continuous cartridge operation	CV360 - 40min, Express 444 - 50min, CG1750 - 150min, C206 - 170min, CP250 - 210min, CV470 - 370min		
Flame temperature	1350°C on liquid gas, 1300°C on natural gas (E)		
Temperature threshold level	1kw liquid gas, 1kw natural gas		
IR-Sensor coverage			5-50mm, Adjustable
Power consumption	2 VA		
Power connection	100-240V 50/60Hz max. 0.3A 9V DC/1A		
Casing & operating controls	Stainless steel/glass, UV and solvent resistant		
Burner head	removable and decomposable, stainless steel		
Cover of burner shaft	Ø23 mm, with drains		
Measurements (mm)	W85xD49x86	W103xD49xH130	
Weight	700g		



### STER-815, Bacti-Cinerator Sterilizer

The Bacti-Cinerator sterilizer sterilizes microorganisms utilizing infrared heat produced by a ceramic core element. The ceramic element contains no asbestos and ensures maximum sterility without splatter across the work surface area. Complete sterilization occurs within 5-7 seconds at optimum sterilizing temperature of 1500°F (815.6°C). The small footprint makes the Bacti-Cinerator sterilizer an ideal instrument for anaerobic and aerobic chambers alike. Several user friendly accessories are also available for the Bacti-Cinerator sterilizer

**Features:** Sterilizes needles, loops, and culture tube mouths in five to seven seconds at optimum sterilizing temperature of 815.6°C (1500°F) • Ceramic funnel tube enclosed in stainless-steel perforated guard and stainless-steel support stand • For AC220V 50/60Hz.

**Specification:** The center high-temperature: 815±50°C • The Max-diameter of sterilizer goods: φ14mm • The length of sterilizer: 140mm • 4.Net weigh: 1.3Kg.



### STER-101, Boiling Sterilizer

#### Specifications:

- Timer: 0-60 min. mechanical timer with bell.
- Heater: 1500 watts.
- Thermostat: Temp. over to 150°C auto cut-off power.
- Body material: 18.8 stainless steel.
- Tray Dimen.: W350xD165xH30(mm)
- Overall Dimension: W525xD190xH170(mm)
- Net/Gross Weight: 3.5/4.0Kgs
- Power Supply: 220V/50-60Hz/7Amp

**Features:** All hydraulically pressed 18.8 stainless steel, can withstand electrolysis without corrosion • Long life immersion stainless nickel pipe heater & corrosion proof • Precision mechanical timer with bell switch control • Waterless overheating prevention system with auto power cut-off • Build-in low level cut-off device.



### FLAME-100, Safety Bunsen

<b>Model</b>	<b>FLAME-100</b>
<b>Technology</b>	Microprocessor
<b>Programs</b>	Button: Start-Stop mit Ubertwachungstimer, 60 min Foot pedal: Standard (Flame during pressed foot pedal, Foot pedal optional)
<b>Safety features</b>	Safety Control System (SCS) with gas safety cut off: ignition & flame control temp. monitor, burner head clogging monitor (BHC) automatic unit switch off, 4 h
<b>Gas supply &amp; consumption</b>	Gas connection: 1/4" left with Gas filter Gas types: "2ELL3B/P: natural gas E/LL, 18 - 25mbar. liquid gas, 20 - 50mbar Connected load: 48 g/h liquid gas Continuous cartridge operation: CV360-65min, CG1750-210min, (approx.) C206-230min, CP250-305min, CV470-550min, CV270-280min
<b>Temperature</b>	Flame temperature: 1200°C liquid gas, 1170°C on natural gas (E) Temp. threshold level: 0.66 kW liquid gas, 0.66 kW natural gas
<b>Electrical</b>	Power consumption: 2VA. Power connection: 100-240 V / 50/60 Hz / max. 0.3 A, 9V DC / 1A
<b>Mechanical</b>	Burner tube: removable, stainless steel. Measurements (WXHxD): 89x34x88mm. Height with burner tube: 94mm. Weight: 385g.

FLAME-100



STER-100



STER-200



STER-220

### STER-series, Gas Burners

#### Features:

- Electronic instant ignition
- High temp. attainable: 1300°C
- Safety, clearing
- Adjustable flame
- Refillable butane fuel tank

#### Applications:

- Sterilizing • Welding • Heating
- Brazing • Digestion • Cooking

Model	STER-100	STER-200	STER-220
<b>Max. temperature</b>	1300°C	1300°C	1300°C
<b>Fuel capacity (g)</b>	45	45	45
<b>Working time (min)</b>	60	60	60
<b>Safety lock</b>	YES	-	-
<b>Dimensions (mm)</b>	H161xW137xD79	H92xW115xD79	H94xW115xD78
<b>Dry weight (g)</b>	380	407	425



AutoLoop

### Model: AutoLoop, Carrousel For Flame Sterilizing Inoculation Loops

The inoculation loop carrousel Autoloop PRO, which is suitable for up to 4 inoculation loops, was developed to comply with current requirements in microbiological, cellbiological and biotechnological laboratories.

<b>Model</b>	<b>AutoLoop</b>
<b>Technology</b>	Microprocessor
<b>Display</b>	fully graphic dot-matrix
<b>Rotational direction</b>	left / right, depends on removed holder
<b>Inoculation loop holder</b>	1 - 4, with optical holder detection
<b>Time of flame sterilizing</b>	1 - 15 sec
<b>Time for cool-down period</b>	1 - 45 sec
<b>Safety features</b>	temperature control, flame activation warning, indicator of remaining cool-down, tilt sensor, residual heat display
<b>Adjustable sterilization monitor</b>	1 - Off, 2 - low intensity, 3 - middle intensity, 4 - high intensity
<b>Stand by</b>	automatic unit switch off: 1 h (or with stand-by time of the burner)
<b>Operating voltage</b>	via Fuego (foot pedal socket)
<b>Casing</b>	stainless steel & aluminum, UV and solvent resistant
<b>IR-Sensor coverage</b>	5-50mm, Adjustable
<b>Measurements(mm)</b>	W135xD180 Height Autoloop: 305
<b>Weight</b>	1200 g