**The Fuego SCS Series**

The innovative Fuego SCS Series provides maximum safety and highest convenience for all flame-related applications in the laboratory.

**Quality down to the smallest detail**

The unique quality of the Fuego SCS Series is the result of many years of experience in the development and manufacture of laboratory gas burners, which are fabricated in our own factory on state-of-the-art machines. Our outstanding technical competence is integral in every laboratory gas burner that bears the name Fuego SCS, and every one of them proves that: The Fuego SCS Series is absolutely convincing! Now, we have further optimized this series and created masterpieces, which are better than ever before.

**Modern design**

The unique shape is in your eye! The low casing makes comfortable working possible; the streamlined design reduces the disturbance of the air current in a clean room workshop to a minimum. With the new DualKnob for adjusting gas and air flow, the flame can be precisely regulated. The removable burner head can simply be dismantled into its individual components for in-depth cleaning. Clogging is no longer a problem. Spilled liquids flow out through an integrated drain, and solid substances can be effortlessly removed by opening the burner shaft.

**Simply safe to operate**

Depending on the model, the Fuego SCS Series can be operated with touch-free RI-Sensor, button function or foot pedal.

**Universal**

The Fuego SCS Series can be operated with stationary natural gas and gas burning / butane gas supplies, cartridge gas or gas cylinders. The fully automatic switch-off function prevents unintentional ignition of the burner; the automatic cut-off function prevents unintentional ignition of the flame when the burner has not been ignited for a longer period.

**Top-off-the-Line safety**

The Safety Control System SCS means state-of-the-art safety technology which consistently analyses potential hazards and, if necessary, initiates safety measures, workbenches and in laboratories.

**Robust**

All old WLD-TEC laboratory gas burners which have been taken out of service will be taken back and disposed of in an environmentally compatible manner.

**Fabricated entirely of stainless steel** - from the controls to the gas connection - and with displays which are protected by heat-resistant glass, the Fuego SCS Series withstands even extreme laboratory conditions.

**Fuego SCS Series for use on cleanroom workbenches and in laboratories.**

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**Technical Data:**

- **Technology:**
  - Microprocessor, illuminated graphic display with start function (optional)

- **Programs:**
  - Start-Stop with timer, 1 sec - 2 h
  - Auto-Off with timer, 0 sec - 2 h

- **Frequency:**
  - 2.4 GHz

- **IR-Sensor detection range:**
  - 2 - 5 m

- **Frequency of the WLD-TEC safety radio protocol:**
  - 2 - 5 m

- **Battery:**
  - 2 x AA (Mignon)

- **Channels:**
  - 6 standard programs for IR-Sensor, button and graphic display

- **Gas connection:**
  - 1/4” left hand thread with gas filter

- **Gas supply and consumption:**
  - Liquid gas, liquid gas 47.5 - 57.5 mbar, gas connection: 1/4” left hand thread with gas filter

- **Temperatures:**
  - Gas connection: 120°C (stainless steel)
  - Gas connection: 50°C (polystyrene)

- **Connected load:**
  - approx. 1.0 kW / natural gas (E): 1.0 kW

- **Dimensions (w x h x d):**
  - approx. 253 x 221 x 221 mm

- **Weight:**
  - approx. 2.3 kg

- **Measurements (w x h x d):**
  - approx. 253 x 221 x 221 mm

- **Cover of burner shaft:***
  - Removable and decomposable, stainless steel

- **Burner head:**
  - Removable and flame-sterilizable

- **Batteries foot pedal:**
  - 2 x AA (Mignon)

- **Stainless steel foot pedal:**
  - Optional

- **Gas safety cut off:**
  - Continuous cartridge operation of gas cylinder

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**Contact Information:**

- **Phone:** +49 (0)36081 / 68940
- **Fax:** +49 (0)36081 / 68942
- **Email:** info@wld-tec.com

**Graphical Installation and Operating Instructions:**

- **Art.-No.:** 6.000.402
- **Art.-No.:** 8.200.000
- **Art.-No.:** 6.000.402
- **Art.-No.:** 8.203.000-RF

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**Production & Service:**

- **GmbH**

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**Environmental and technical specifications:**

- **Zero-Pressure shut-off:**
  - Fuego SCS / Fuego SCS pro: 1 min - 2 h

- **Residual heat display:**
  - Fuego SCS / Fuego SCS pro: 1 sec - 2 h

- **Automatic unit cut-off function:**
  - Fuego SCS / Fuego SCS pro: 1 min - 2 h

- **Temperature regulation:**
  - Continuous (all models)
  - Start-Stop with timer (all models)
  - Auto-Off function (all models)

- **Safety features:**
  - Ignition and flame control
  - Temperature monitoring
  - Gas flow monitoring
  - Flammable gas detection

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**Safety Laboratory Gas Burner**

Fuego SCS - A step ahead!
**Fuego SCS** - A step ahead!

The innovative Fuego SCS - Series provides maximum safety and highest convenience for all flame-related applications in the laboratory.

---

**Control Functions**
- Constantly analyzes potential hazards and, if necessary, initiates safety measures.

**Ideal for use on cleanroom and extreme laboratory conditions**
- Resistant glass, the Fuego SCS - Series is absolutely convincing!
- All old WLD-TEC laboratory gas burners which have been taken out of service will be taken back and disposed of in an environmentally compatible manner.

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**Technical Data:**
- **Art.-No.:** 8.201.000
- **Art.-No.:** 8.203.000
- **Art.-No.:** 8.203.030-0F

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<table>
<thead>
<tr>
<th><strong>Technical Data</strong></th>
<th><strong>Type rechargeable battery:</strong> NiMH 2.4 V (2 x Mignon (AA), 1.2 V, 2600 mAh)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency:</strong></td>
<td>2.4 GHz</td>
</tr>
<tr>
<td><strong>Range:</strong></td>
<td>5 - 50 mm, adjustable</td>
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<tr>
<td><strong>Radio Frequency System:</strong></td>
<td>WLD-TEC safety radio protocol</td>
</tr>
<tr>
<td><strong>Technical Data Battery Operation</strong></td>
<td>100% 90% / 4 hours, 100% 50% / 3 hours</td>
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<tr>
<td><strong>Temperature thresholds:</strong></td>
<td>Flame temperature: 1200 °C (natural gas), 1300 °C (liquid gas)</td>
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<td><strong>Ignition and flame control functions:</strong></td>
<td>3 standard programs for foot pedal and button (function knob)</td>
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<td><strong>Zero-Pressure shut-off:</strong></td>
<td>2,3: Fuego SCS / Fuego SCS pro: 1 min - 2 h</td>
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<td><strong>Gas connection:</strong></td>
<td>1/4” left hand thread with gas filter</td>
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<td><strong>Gas types:</strong></td>
<td>Natural gas E/LL, 18 - 25 mbar; 95 l/h natural gas (LL), 70 g/h liquid gas</td>
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<td><strong>Flame temperature:</strong></td>
<td>Turbo Flame: 1.0 kW / natural gas (E): 1.0 kW</td>
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<td>- 18°C - 1800°C (natural gas), - 16°C - 1850°C (liquid gas)</td>
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<td>2,3 with timer, 1 sec - 2 h</td>
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<td>**Start-Stop with timer, 1 sec - 2 h</td>
<td>1 sec - 2 h</td>
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<td><strong>Cooling reminder, user account selection:</strong></td>
<td>1 sec - 2 h</td>
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<td><strong>Electronic safety cut off:</strong></td>
<td>2,3: with acoustic signals as operating aids</td>
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<td><strong>Technology:</strong></td>
<td>Micromettes, illuminated graphic display with audible signals as operating aids</td>
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<tr>
<td><strong>Programs:</strong></td>
<td>Best (blue), with 1 sec - 2 h</td>
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<td><strong>Fue gas:</strong></td>
<td>Black (green), with 1 sec - 2 h</td>
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<td><strong>Apparatus accessories:...</strong></td>
<td>Approx. 2.5 x 1 (Art.-No.: 8.201.000)</td>
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<td><strong>Safety features:</strong></td>
<td>Exceptional passive safety features: A residual heat display protects against burns.</td>
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Fuego SCS pro

Battery performance
The exclusive Fuego SCS pro provides maximum flexibility. Wireless operation using state-of-the-art rechargeable battery technology guarantees independent operation. Two standard rechargeable batteries allow up to 9 hours of continuous operation. This corresponds to approximately 2000 inoculation loop flaming operations. The Fuego SCS pro has an integrated fast charging function and can be recharged in just 3 hours. The range of functions is identical to those of the Fuego SCS.

Fuego SCS basic

More than standard!
The Fuego SCS basic can be safely operated by means of the supplied foot pedal or the button function. Different programs are available: a flexible start-stop function or the conventional foot pedal control for short-time applications. In addition, the flame can be started and stopped by briefly pressing on the function knob.

Wireless operation
Wireless and safe flame sterilization! The IR “RF” model allows operation via radio foot pedal without a disturbing cable. Other than that, the Fuego SCS basic “RF” has the same functions and safety systems as the standard model Fuego SCS basic. The radio foot pedal is included in the range of delivery.

Fuego SCS pro RF

Versatile
The Fuego SCS can be operated with the touch-free IR-Sensor, button function or foot pedal (optional). For all options, different programs exist that have been developed on the basis of practical experience: flexible start-stop functions, continuous application for up to 2 hours or programs for short flame sterilization - exact to the second.

Wireless operation
Wireless and safe flame sterilization! The “RF” model allows operation via radio foot pedal without a disturbing cable. Other than that, the Fuego SCS basic RF has the same functions and safety systems as the standard model Fuego SCS basic. The radio foot pedal is included in the range of delivery.

Fuego SCS

User-friendly stainless steel knobs

Innovative technology that thinks with you!
The new Fuego SCS - Series.

Graphical installation instructions

Fuego SCS pro

Programs
Button function
Pedal Standard
Pedal Start-Stop
Sensor Auto-Off
Sensor Gas Off

NEW: Temperature regulation
Safety Control System with acoustic signals
Readout/head display
NEW: Animated graphic display
Foot pedal included
Single- or DoubleClick IR-Sensor
Battery operation with tilt sensor
NEW: Cooling reminder
Housekeeping, gas connection & controls made of stainless steel
DVGW approved

Art.-No.
8.201.000
8.201.000-RF
8.200.000
8.204.000

Gas exhaustion?
No new cartridge at hand?
The new gas consumption display reminds you to have a fresh gas cartridge on hand in a timely manner.

Removable & decomposable burner head, dishwasher-safe, autoclavable, made completely of stainless steel and ceramics

Burner shall be opened at the flick of a wrist for cleaning purposes

Tilt adjustment

Fuego SCS pro

Versatile
The Fuego SCS can be operated with the touch-free IR-Sensor, button function or foot pedal (optional). For all options, different programs exist that have been developed on the basis of practical experience: flexible start-stop functions, continuous application for up to 2 hours or programs for short flame sterilization - exact to the second.

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Burner shall be opened at the flick of a wrist for cleaning purposes

Tilt adjustment

NEW: Animated graphic display
NEW: Gas consumption display
NEW: 2 user accounts
NEW: Temperature regulation
NEW: Pressure regulation
NEW: Gas inlet filter
NEW: Removable & decomposable burner head
NEW: Single- or DoubleClick IR-Sensor
NEW: Battery operation with tilt sensor
NEW: Cooling reminder
NEW: User-friendly stainless steel knobs

Versatile
The Fuego SCS can be operated with the touch-free IR-Sensor, button function or foot pedal (optional). For all options, different programs exist that have been developed on the basis of practical experience: flexible start-stop functions, continuous application for up to 2 hours or programs for short flame sterilization - exact to the second.

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NEW: 2 user accounts
NEW: Temperature regulation
NEW: Pressure regulation
NEW: Gas inlet filter
NEW: Removable & decomposable burner head
NEW: Single- or DoubleClick IR-Sensor
NEW: Battery operation with tilt sensor
NEW: Cooling reminder
NEW: User-friendly stainless steel knobs

NEW: Precisely adjusted
Precisely adjusted
With the new temperature regulation system and an optional temperature sensor, the laboratory gas burner becomes a temperature control station.

Pressureless
The zero-pressure shut-down provides additional safety at the end of work. With it the residual pressure is released from the connection hose and the gas hose’s service life is increased.

Gas exhausted?
No new cartridge at hand?
The new gas consumption display reminds you to have a fresh gas cartridge on hand in a timely manner.

Removable & decomposable burner head, dishwasher-safe, autoclavable, made completely of stainless steel and ceramics

Burner shall be opened at the flick of a wrist for cleaning purposes

Tilt adjustment

NEW: Automatic unit cut-off
NEW: Temperature regulation for heating media
NEW: Precisely adjusted
NEW: Versatile
NEW: Precisely adjusted
NEW: Gas exhausted?
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NEW: Precisely adjusted
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Fuego basic

More than standard!
The Fuego SCS basic can be safely operated by means of the supplied foot pedal or the button function. Different programs are available: a flexible start-stop function or the conventional foot pedal control for short-time applications. In addition, the flame can be started and stopped by briefly pressing on the function knob.

More convenient!

Fuego SCS pro

Wireless operation

Wireless and safe flame sterilization! The "RF" model allows operation via radio foot pedal without a disturbing cable. Other than that, the Fuego SCS basic RF has the same functions and safety systems as the standard model Fuego SCS basic. The radio foot pedal is included in the range of delivery.

Versatile

The Fuego SCS can be operated with the touch-free IR-Sensor, button function or foot pedal (optional). For all options, different programs exist that have been developed on the basis of practical experience: flexible start-stop functions, continuous application for up to 2 hours or programs for short flame sterilization - exact to the second.

More powerful!

Graphical installation instructions

Individually adjustable Single or DoubleClick IR motion sensor

Temperature regulation for heating media

Automatic cut-off

Cooling reminder for inoculation loops

Gas consumption display

Acoustic signals as operating aids

Zero-pressure shut-off

Innovative technology that thinks with you!

The new Fuego SCS - Series.

Wireless operation

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More convenient!

Fuego SCS pro

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Versatile

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More powerful!
**Fuego basic**

More than standard!
The Fuego SCS basic can be safely operated by means of the supplied foot pedal or the button function. Differences are available: a flexible start-stop function or the conventional foot pedal control for short-time applications. In addition, the flame can be started and stopped by briefly pressing on the function knob.

**Wireless operation**

Wireless and safe flame sterilization! The "RF" model allows operation via radio foot pedal without a disturbing cable. Other than that, the Fuego SCS basic "RF" has the same functions and safety systems as the standard model Fuego SCS basic. The radio foot pedal is included in the range of delivery.

**Programs**

Button function
- Foot pedal
- Start-Stop
- Sensor Auto-Off
- Temperature regulation
- Safety Control System

**Acoustic signals**

- Residual heat display
- Animated graphic display
- Foot pedal included
- Single- or DoubleClick IR-Sensor
- Battery operation with tilt sensor
- Cooling reminder
- Gas inlet filter
- Removable & decomposable burner head

**Versatile**

The Fuego SCS can be operated with the touch-free IR-Sensor, button function or foot pedal (optional). For all options, different programs exist that have been developed on the basis of practical experience: flexible start-stop functions, continuous application for up to 2 hours or programs for short flame sterilization - exact to the second.

**More convenience**

- Animated and high-contrast graphic display can be easily read under all lighting conditions due to the blue background illumination. The self-explanatory, language-less symbol menu facilitates a rapid selection of all functions. The display is not in your line of sight? Acoustic signals additionally aid the user.
- Innovative - The DoubleClick IR-Sensor
- Innovative technology that thinks with you!

**Pressureless**

The zero-pressure shut-off provides additional safety at the end of work. With it the residual pressure is released from the connection hose and the gas hose's service life is increased.

**Gas exhausted?**

No new cartridge at hand? The new gas consumption display reminds you to have a fresh gas cartridge on hand in a timely manner.

**Flexible and individual**

The Fuego SCS has 2 user accounts and saves all safety settings, burning times and other parameters for individual and flexible use.

**Cooling down**

The precisely adjustable cooling time reminder aids you in exactly complying with the required cooling period for inoculation loops.

**Properly connected!**

Graphical installation and operating instructions at the first switch-on facilitate the initial start-up.

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**Fuego pro**

Battery performance

The exclusive Fuego SCS pro provides maximum flexibility. Wireless operation using radio foot pedals guarantees independent operation. Two standard rechargeable batteries allow up to 9 hours of continuous operation. This corresponds to approximately 2000 inoculation loop flaming operations. The Fuego SCS pro has an integrated foot crashing function and can be recharged in just 3 hours. The range of functions is identical to those of the Fuego SCS.
The innovative Fuego SCS - Series provides maximum safety and highest convenience for all flame-related applications in the laboratory.

Quality down to the smallest detail

The unique quality of the Fuego SCS - Series is the result of many years of experience in the development and manufacture of laboratory gas burners, which are fabricated in our own factory on state-of-the-art machines. Our outstanding technical competence in every laboratory gas burner furthers the name Fuego SCS, and every one of them proves that: The Fuego SCS - Series is absolutely convincing! Now, we have further optimism this series and created masterpieces, which are better than ever before.

Modern design

The unique shape is eye-catching! The low casing makes comfortable working possible; the streamlined design reduces the disturbance of the air current in a clean room workbench to a minimum. With the new DualKnob for adjusting gas and air flow, the flame can be precisely regulated. The removable burner head can simply be dismantled into its individual components for in-depth cleaning. Clogging is no longer a problem. Spilled liquids flow out through an integrated drain, and solid substances can be effortlessly removed by opening the burner shaft.

Simply safe to operate

Depending on the model, the Fuego SCS - Series can be operated with touch-free RI-Sensor, button function or foot-pedal.

Universal

The Fuego SCS - Series can be operated with stationary natural gas and gas burners head control (BHC).

Top-off-the-line safety

The Safety Control System SCS proves that: in every laboratory gas burner that bears the name Fuego SCS, and every one of them proves that:

The Fuego SCS - Series can be operated with stationary natural gas and gas burners head control (BHC).

The fully automatic carrousel for flame protection, the new safety package also proves that:

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