



CARL ROTH

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Gas safety burners



Gas safety burner Flame 100

WLD-TEC.

Ideal for sterilization of microbiological instruments and graduated heating of dental tools.

- Housing and burner tube made of stainless steel
- With key function:
Flame is started and stopped by pressing the function button. Operation also via optional foot-switch (with foot pedal depressed) or external IR motion sensor (flame as long as the hand is in the detection zone of the sensor).
- With ignition and flame control, clogging monitor, as well as overtemperature protection
- Continuous cartridge operation: 65 min with CV 360, 230 min with C 206, 550 min with CV 470 plus, 210 min with CG 1750
- Suitable for stationary natural gas and propane/butane gas. If cartridges are required, please order gas adapter and cartridge separately

Technical specifications:

Art. No.	NA00.1
Type	Flame 100
Foot switch operation is possible	Yes
IR sensor operation is possible	Yes
Width	89 mm
Depth	88 mm
Height	34 mm
Weight	385 g

Delivery incl. variable power supply (100 to 240 V, 50/60 Hz), hose nozzle and injectors for natural gas, propane / butane gas. Without foot pedal or IR motion sensor (if required, please order separately).

Type	Art. No.	Pack Qty.	
Flame 100	NA00.1	1 unit(s)	

Accessories

WLD-TEC.

Standard foot switch for gas safety burners

Standard foot pedal made of stainless steel. Cable length 3 m.

Type	Art. No.	Pack Qty.	
Standard foot switch	AN88.1	1 unit(s)	

External IR motion sensor for gas safety burners

Cable length 0.4 m.

Type	Art. No.	Pack Qty.	
External IR motion sensor	NA01.1	1 unit(s)	

Accessories gas safety adapter for cartridges

WLD-TEC.

With integrated pressure reducer, stop cock and DVGW hose, length 0.5 m.

Suitable for	Art. No.	Pack Qty.	
Cartridge C 206 GLS	AN84.1	1 unit(s)	
Cartridge CV 470 plus	AN85.1	1 unit(s)	
Cartridge CG 1750	EX07.1	1 unit(s)	

For cartridge CV 360

Gas safety adapter for cartridge CV 360

Suitable for	Art. No.	Pack Qty.	
Cartridge CV 360	NA02.1	1 unit(s)	

Gas safety burners



Gas safety burner Fuego SCS basic

WLD-TEC.

Ideal for heating, burning-off and annealing as well as for use in microbiological safety workbenches.

- Foot-switch control: Flame burns until the foot-switch is pressed or start/stop with automatic switch-off (up to 60 min)
- Additionally with button function: flame is started and stopped by pressing the function button
- Casing/control elements made of stainless steel and glass, UV and solvent proof
- Removable and dismountable burner head
- Can be tilted left or right
- Continuous cartridge operation: 40 min with CV 360, 170 min with C 206, 370 min with CV 470, 150 min with CG 1750
- Safety equipment with gas safety shutoff: ignition, flame and temperature monitoring, contamination and installation monitoring, automatic unit switch-off and residual heat display
- Ideal for natural, propane or butane gas. If cartridges are required, please order gas adapter and cartridge separately.

Technical specifications:

Art. No.	HA64.1
Type	SCS basic
Foot switch operation is possible	Yes
Width	103 mm
Depth	130 mm
Height	49 mm
Weight	700 g

Delivery incl. foot-switch, variable power supply (100 to 240 V, 50/60 Hz), hose nozzle with union nut, inoculation loop holder and nozzles for natural gas, propane / butane gas.

Type	Art. No.	Pack Qty.
SCS basic	HA64.1	1 unit(s)

With integrated pressure reducer, stop cock and DVGW hose, length 0.5 m.

Suitable for	Art. No.	Pack Qty.
Cartridge C 206 GLS	AN84.1	1 unit(s)
Cartridge CV 470 plus	AN85.1	1 unit(s)
Cartridge CG 1750	EX07.1	1 unit(s)

Accessories gas safety adapter for cartridge CV 360

WLD-TEC.

With integrated pressure reducer.

Suitable for	Art. No.	Pack Qty.
Cartridge CV 360	HC48.1	1 unit(s)



Gas safety burner Fuego series

WLD-TEC.

Ideal for heating, burning-off and annealing as well as for use in microbiological safety workbenches.

- Animated graphic display with buzzer: installation and operating instructions with symbols, user ID, gas consumption display and cooling time reminder
- Casing/control elements made of stainless steel and glass, UV and solvent proof
- Programme with firing time display for double-click IR sensor (switchable), button, foot pedal and temperature control for precise heating of media.

Operating modes:

Key function: Flame is started and stopped by actuating the function button, or the flame extinguishes after a preselected time

IR sensor: Contactless On/Off of the flame via IR sensor or the flame extinguishes after a preselected time (1 s to 120 min) or auto-off with teach function (1 s to 120 min)

Foot-switch control: Flame burns until the foot-switch is pressed or start/stop with automatic switch-off (1 s to 120 min)

- Safety equipment with gas safety shutoff: ignition, flame and temperature monitoring, contamination and installation monitoring, automatic unit switch-off and residual heat display
- Zero-pressure shutoff: for releasing residual gas pressure after use
- Angle adjustment and removable burner head
- Ideal for natural, propane or butane gas. If cartridges are required, please order gas adapter and cartridge separately

Technical specifications:

Art. No.	EX06.1	LE17.1
Type	Fuego SCS	Fuego SCS pro
Foot switch operation is possible	Yes	
IR sensor operation is possible	Yes	
Detection range of IR sensor	5-100 mm	
Width	103 mm	
Depth	130 mm	
Height	49 mm	

Model Fuego SCS

Delivery incl. IR sensor, inoculation loop holder plug-in power supply and nozzles for natural gas, propane / butane gas. Without foot switch (if required, please order separately).

Type	Art. No.	Pack Qty.
Fuego SCS	EX06.1	1 unit(s)



Gas safety burners

Model Fuego SCS pro

- **Mains-independent operation using rechargeable batteries**
- Additional tilt sensor with gas safety shutdown

Delivery incl. two Mignon 1.2 V rechargeable batteries (battery time up to 9 h for continuous operation, charging time approx. 3 h), IR sensor, inoculation loop holder, plug-in power supply, hose sleeve with union nut and nozzles for natural gas, propane/butane gas. Without foot switch (if required, please order separately).

Type	Art. No.	Pack Qty.	
Fuego SCS pro	LE17.1	1 unit(s)	

Standard foot switch for gas safety burners

Standard foot pedal made of stainless steel. Cable length 3 m.

Type	Art. No.	Pack Qty.	
Standard foot switch	AN88.1	1 unit(s)	

Accessories wireless foot-switch set for Fuego SCS

WLD-TEC.

Allows foot pedal operation without disturbing cable. Range 2 to 5 m. Frequency 2.4 GHz. Remote control foot-switch made of stainless steel.

Delivery incl. RF stick, remote control foot pedal and 2 Mignon 1.5 V batteries.

Designation	Art. No.	Pack Qty.	
Wireless foot-switch set	KA26.1	1 unit(s)	

Accessories gas safety adapter for cartridge CV 360

WLD-TEC.

With integrated pressure reducer.

Suitable for	Art. No.	Pack Qty.	
Cartridge CV 360	HC48.1	1 unit(s)	

With integrated pressure reducer, stop cock and DVGW hose, length 0.5 m.

Suitable for	Art. No.	Pack Qty.	
Cartridge C 206 GLS	AN84.1	1 unit(s)	
Cartridge CV 470 plus	AN85.1	1 unit(s)	
Cartridge CG 1750	EX07.1	1 unit(s)	



Gas safety burner Gasprofi 1 SCS micro

WLD-TEC.

Space-saving laboratory gas burner for microbiology, cell biology and biotechnology.

Features:

- **5 operating modes:**

Key function: Flame is started and stopped by actuating the function button, or the flame extinguishes after a preselected time

IR sensor: Contactless On/Off of the flame via IR sensor or the flame extinguishes after a preselected time (1 s to 60 min) or auto-off with teach function (1 s to 60 min)

Foot-switch control: Flame burns until the foot-switch is pressed or start/stop with automatic switch-off (1 s to 60 min)

- Stainless steel housing and operating elements
- Operation either with natural gas or propane/butane gas
- Tilt adjustment left/right
- Continuous cartridge operation: 45 min with CV 360, 170 min with C 206, 345 min with CV 470 plus
- Removable burner head

Technical specifications:

Art. No.	AN82.1
Type	Gasprofi 1 SCS micro
Foot switch operation is possible	Yes
IR sensor operation is possible	Yes
Detection range of IR sensor	5-50 mm
Width	85 mm
Depth	86 mm
Height	49 mm
Weight	930 g

Delivery incl. stainless steel foot-switch, IR sensor, nozzles for natural gas, propane/butane gas, hose connector with union nut and plug-in power supply. If cartridges are required, please order gas adapter and cartridge separately.

Type	Art. No.	Pack Qty.	
Gasprofi 1 SCS micro	AN82.1	1 unit(s)	

Accessories gas safety adapter for cartridges

WLD-TEC.

With integrated pressure reducer, stop cock and DVGW hose, length 0.5 m.

Suitable for	Art. No.	Pack Qty.	
Cartridge C 206 GLS	AN84.1	1 unit(s)	
Cartridge CV 470 plus	AN85.1	1 unit(s)	
Cartridge CG 1750	EX07.1	1 unit(s)	

Accessories gas safety adapter for cartridge CV 360

WLD-TEC.

With integrated pressure reducer.

Suitable for	Art. No.	Pack Qty.	
Cartridge CV 360	HC48.1	1 unit(s)	

Gas safety burners



Fully automatic inoculation loop carousel auto/loop^{PRO} WLD-TEC.

Allows removal of the **safety laboratory burner from the Fuego SCS series** for sterilisation stations. The microprocessor-controlled carousel detects removed and returned inoculation loops, rotates and control the sterilisation fully automatically For up to 4 inoculation loop.

Features:

- Fully graphic DOT matrix display to show the pone of removal of cool inoculation loops, the remaining cooling time, residual heating and flame sterilisation time
- Settable annealing time: 1 to 15 s, adjustable cooling time: 1 to 45 s
- Completely made of stainless steel and anodised aluminium. The display is protected with special glass
- With sterilisation monitor for monitoring the safe sterilisation of the inoculation loops. A symbol indicates whether he inoculation loops have been annealed properly. Sensor intensity adjustable on 3 levels (low to high annealing intensity selectable for thin to thick inoculation loop wires)
- Overtemperature protection and residual heat indicator
- Dimensions: W 135 mm x H 305 mm x D 180 mm
- Voltage supply via the foot pedal of the burner

Delivery incl. 4 inoculation loop holders, 4 inoculation loops and stand. To operate the carousel for inoculation loops, the safety laboratory gas burner from the Fuego SCS series is requirement if not present, order separately).

Type	Art. No.	Pack Qty.	
auto/loop ^{PRO}	LH88.1	1 unit(s)	

Accessories splash guard for auto/loop^{PRO}

WLD-TEC.

For safe handling of pathogenic material, protected.

Designation	Art. No.	Pack Qty.	
Splash guard	HY19.1	1 unit(s)	



Gas safety burner phoenix II

schuett biotec.

For use in microbiological safety work benches.

- LED colour display with choice of languages
- Plain text menu navigation and display of burning time left
- UV-resistant, can be flamed (stainless steel housing, special glass display)
- Can be tilted left or right
- **5 operating modes:**
Key function: Flame is started and stopped by actuating the function button, or the flame extinguishes after a preselected time
IR sensor: Contactless On/Off of the flame via IR- sensor or the flame extinguishes after a preselected time (1 s to min) or auto-off with teach function (s to 120 min)
Foot-switch control: Flame burns until the foot-switch is pressed or start/stop with automatic switch-off (1 s to 120 min)
- Flame, ignition and contamination monitoring
- Ideal for natural, propane or butane gas. Can be operated with gas cartridges CV 360, C 206 and CV 470 plus (please order the required gas adapter separately) or from the central gas supply

Technical specifications:

Art. No.	TA01.1
Type	phoenix II
Foot switch operation is possible	Yes
IR sensor operation is possible	Yes
Detection range of IR sensor	30 mm / 80 mm
Width	125 mm
Depth	160 mm
Height	85 mm

Delivery incl. IR sensor, stainless steel foot-operated push-button/foot switch and power unit (100 to 240 V, 50/60 Hz), hose fitting, natural gas and propane /butane nozzles.

Type	Art. No.	Pack Qty.	
phoenix II	TA01.1	1 unit(s)	

Accessories gas safety adapter for cartridges

schuett biotec.

With integrated pressure reducer and 0.5 m safety gas hose.

Suitable for	Art. No.	Pack Qty.	
Cartridge C 206 GLS	TA03.1	1 unit(s)	
Cartridge CV 470	TA04.1	1 unit(s)	

For cartridge CV 360

Suitable for	Art. No.	Pack Qty.	
Cartridge CV 360	TA02.1	1 unit(s)	



Gas safety burners



Overhead gas burners Flame 110

WLD-TEC.

Heats dental tools, sterilises microbiological instruments or flame deburred/flame polished plastic and rubber mouldings in an industrial environment.

- **Variable flame from any direction – even upside down (depending on positioning)**
- **Operating modes:**
 - Key function:** Flame is started and stopped by actuating the function button
 - IR sensor** Contactless On/Off of the flame via IR sensor or the flame extinguishes after a preselected time (1 s to min) or auto-off with teach function (s to 120 min)
 - Foot-switch control:** Flame burns until the foot-switch is pressed or start/stop with automatic switch-off (1 s to 120 min)
- With gas safety shutoff and overtemperature protection
- Can be operated using optional foot-switch or external IR motion sensor. If required, please order separately.

Technical specifications:

Art. No.	YP70.1
Type	Flame
Foot switch operation is possible	Yes
IR sensor operation is possible	Yes
Height	135 mm
Ø ext.	88 mm
Weight	580 g

Delivery incl. fixing plate for overhead attachment and 100 to 240 V power supply, 50/60 Hz. Without gas adapter and cartridge (please order separately).

Type	Art. No.	Pack Qty.	
Flame	YP70.1	1 unit(s)	

Accessories

WLD-TEC.

Standard foot switch for gas safety burners

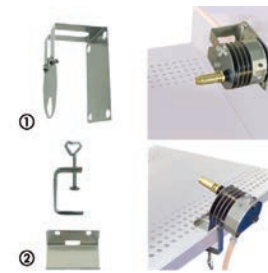
Standard foot pedal made of stainless steel. Cable length 3 m.

Type	Art. No.	Pack Qty.	
Standard foot switch	AN88.1	1 unit(s)	

External IR motion sensor for gas safety burners

Cable length 0.4 m.

Type	Art. No.	Pack Qty.	
External IR motion sensor	NA01.1	1 unit(s)	



Accessories holders for overhead gas burners

WLD-TEC.

(1) Stainless steel lateral bracket

Designation	Art. No.	Pack Qty.	
Lateral brackets	YP71.1	1 unit(s)	

(2) Stainless steel horizontal bracket

Designation	Art. No.	Pack Qty.	
Horizontal bracket	YP72.1	1 unit(s)	

Accessories gas safety adapter for Flame 110

WLD-TEC.

For cartridge C 206 and CV 470 plus with pressure reducer stop cock and DVGW hose (length 0.5 m).

Suitable for	Art. No.	Pack Qty.	
Cartridge C206 GLS	YP73.1	1 unit(s)	
Cartridge CV 470 plus	YP74.1	1 unit(s)	

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