W~L~D-TEC GmbH

gasprofi 1 (SCS)
micro

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micro

Button
Standard

Air
+ Gas -

Sensor

BHC / ⚠
StartStop

Mode
I/Ø

WLD-TEC

SCS

Safety Laboratory
Gas Burner

Button function

**DoubleClick
IR-Sensor**
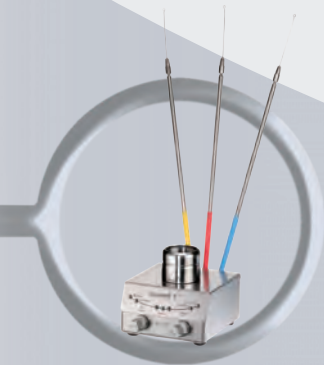
**Holding device for
inoculation loop holders**

**Burner shaft can be opened
at the flick of a wrist for
cleaning purposes**

**Removable & decomposable
burner head, autoclavable,
completely made of
stainless steel and ceramics**

The smallest professional among the laboratory gas burners!

The Gasprofi 1 SCS micro - Series.

**Gasprofi 1 SCS micro - Series: Safety and comfort in the smallest possible space.
Optimal for all flame-related applications in the laboratory.**

Simply safe to operate
Depending on the model, the Gasprofi 1 SCS micro - Series can be operated with touch free IR-Sensor, button function or foot pedal. With the DualKnob for adjusting gas and air flow, the flame can be precisely regulated.

More room to work
The Gasprofi 1 SCS micro - Series is extremely space-saving. This allows nearly effortless work as a result of its extraordinarily low working height.

Outstanding safety
The Safety Control System SCS© demonstrates state-of-the-art safety technology which constantly analyzes potential hazards and, if necessary, initiates safety measures, such as an interruption of the gas supply.

Robust
All external components are made of stainless steel; this guarantees the greatest possible working sterility. 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 easily removed by opening the burner shaft.

Universal
The Gasprofi 1 SCS micro - Series can be operated with stationary natural gas and propane / butane gas supplies, cartridge gas or gas cylinders.

Environment-conscious
Excellent energy efficiency in accordance with the most recent standards reduces gas and power consumption. This increases the burning time when gas cartridges are used.

Gasprofi 1 SCS micro - Series: Ideal for use in cleanroom workbenches and laboratories

gas**profi 1** ⓢⓒⓢ *school* edition
micro

For optimal safety in modern schools
Bunsen burners were standard equipment in schools for many years but they were the cause of many accidents and fires.
Gasprofi 1 SCS micro school edition changes all this!
A safe gas burner for sterilizing, heating and other flame related applications.

Excellent safety due to the Safety Control System SCS©
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.

Easy operation
Switch flame on and off at the touch of a button. Optionally, the Gasprofi 1 SCS micro school edition can also be operated by a foot pedal* or an external DoubleClick IR-Sensor*.

* optional

	gasprofi 1 ⓢⓒⓢ micro school edition	gasprofi 1 ⓢⓒⓢ micro
Programs		
Button function	✔	✔
Pedal Standard	✔	✔
Pedal Start-Stop		✔
Sensor Auto-Off & Start-Stop		✔
Safety Control System SCS©	✔	✔
Residual heat display		✔
Burner Head Control BHC		✔
Foot pedal included		✔
DoubleClick IR-Sensor		✔
Gas inlet filter	✔	✔
Removable & decomposable burner head	✔	✔
Housing, burner head, gas connection & controls made of stainless steel	✔	✔
DVGW approved	✔	✔

gas**profi 1** ⓢⓒⓢ
micro

Multi-Use
The Gasprofi 1 SCS micro can be operated with touch free IR-Sensor, button function or foot pedal. For all options, different programs exist that have been developed from practical experience: flexible start-stop functions, continuous application for up to 60 minutes or programs for short flame sterilization – exact to the second.

Innovative - The DoubleClick IR-Sensor
This safety function ensures that the burner can only be ignited by activating the DoubleClick IR-Sensor twice. As a result, unintentional ignition or ignition due to dropping or falling objects is virtually impossible, increasing safety considerably.

Top-off-the-Line safety
In addition to the ignition and flame control function and the overheating protection, the Safety Control System SCS© also features continuous burner head control (BHC). BHC unfailingly detects burner head clogging by liquids or solid substances and ensures the correct assembly of the burner head. Exceptional passive safety features: After prolonged use, the residual heat display will signal that the burner head is still hot in order to protect the user from burns.
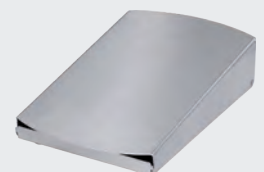
The range of delivery:

gas*profi 1* _{micro} (SCS) *school* edition
Art.-No. 6.007.000

with button function
2 standard programs for button (function knob)
and foot pedal
Safety Control System (SCS)
Stainless steel foot pedal optional: **Art.-No. 6.000.402**

gas*profi 1* _{micro} (SCS)
Art.-No. 6.004.000

with DoubleClick IR-Sensor, button function
and stainless steel foot pedal
5 standard programs for IR-Sensor,
button (function knob) and foot pedal
Adjustable IR-Sensor reaction distance
Safety Control System (SCS)
with Burner Head Control (BHC) and residual heat display
Holding device for 3 inoculation loop holders

Range of delivery for both models:

Removable and decomposable burner head
Tilt mechanism, right / left
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)
Instruction manual and 2-year warranty

SCS

2 Jahre Garantie / 2-Year Warranty
2

Energy Saving! / Energiesparend!
EuP

DVGW
GS geprüfte Sicherheit

made in Germany

2004/108/EC, 2006/95/EC

CE

EN 61326-1, EN 61010

Windshield
made of stainless steel, for a stable
flame under conditions of strong air flow
Art.-No. 8.000.600

Safety adapter
with integrated pressure regulator
for gas cartridges **CV 360**
Art.-No. 8.000.700
for gas cartridges **Express 444**
Art.-No. 6.000.750

Autoloop Pro
The fully automatic carrousel for flame
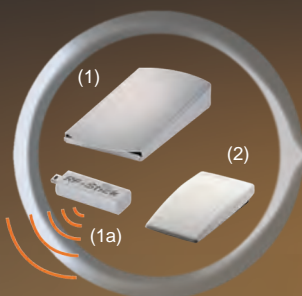sterilizing inoculation loops
Art.-No. 6.000.400

External DoubleClick IR-Sensor
touch-free flame activation, made of
stainless steel, cable length 0.4 m
Art.-No. 6.000.406

(1)
(2)
(1a)

Spray protector
for more safety when handling with
pathogenic material
Art.-No. 6.000.200

(1) Foot pedal
made of stainless steel, cable length 3.0 m
Art.-No. 6.000.402
(1+1a) Foot pedal radio set RF Stick
(available in EU countries only)
Art.-No. 8.000.404-RF
(2) Foot pedal Mini
made of plastic, cable length 3.0 m
Art.-No. 6.000.403

Burner head
double lengh for better
heating of Erlenmeyer flasks,
decomposable and autoclavable
Art.-No. 8.100.091

Additional accessories available
(see accessory brochure)

Technical Data:

Programs

Button:	Start-Stop with timer, 60 min
Foot pedal:	Standard (flame during pressed foot pedal)
	Start-Stop with timer, 60 min [1]
IR Sensor [1]:	Start-Stop with timer, 60 min
	Auto-Off with learn function, 1 sec - 60 min

Safety features

Safety Control System (SCS)

with gas safety cut off:	ignition and flame control
	temperature monitor
	automatic unit switch off, 4 h
Burner Head Control (BHC) [1]:	burner head clogging
	and assembly monitor
Residual heat display [1]:	indicates a hot burner head

Gas supply and consumption

Gas connection:	1/4" left with gas filter
Gas types:	II$_{2ELL3B/P}$: natural gas E/LL, 18 - 25 mbar
	liquid gas, 20 - 50 mbar
Connected load:	70 g/h liquid gas, 95 l/h natural gas (LL)
Continuous cartridge operation:	CV 360 - 40 min, Express 444 - 50 min,
	CG 1750 - 150 min, C 206 - 170 min,
	CP 250 - 210 min, CV 470 - 370 min

Temperatures

Flame temperature:	1350 °C on liquid gas
	1300 °C on natural gas (E)
Temperature threshold level:	1.0 kW liquid gas, 1.0 kW natural gas

Electrical

Power consumption:	2 VA
Switching power supply:	100 - 240 V / 50/60 Hz / max. 0.3 A
	9 V DC / 1 A
IR-Sensor coverage [1]:	35 - 70 mm, adjustable
DoubleClick IR-Sensor [1]:	time range 1 sec

Mechanical

Casing and operating controls:	stainless steel / glass, UV and solvent resistant,
	flame-sterilizable
Burner head:	removable and decomposable, stainless steel
Cover of burner shaft:	Ø 23 mm, with drains
Measurements (w x h x d):	85 x 49 x 86 mm
Weight:	700 g

Licenses

DIN-DVGW Reg.-No.:	NG-2211AS0167
CE:	EN 61326-1, EN 61010
EEC guidelines:	2004/108/EC, 2006/95/EC

[1] only Gasprofi 1 SCS micro

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(11/14, 6.999.005) Specifications subject to change without notice