BIOTOOL SWISS
innovative laboratory technology

Spray protector

Flame shield

Bracket stand

Safety adapter

LabFlame IR
LabFlame +

LabFlame IR   A laboratory bunsen burner with touch-free ignition capability for enhaced safety

LabFlame +   Modelled on the LabFlame IR with an additional battery slot to allow cordless operation

RAPID & PRECISE IGNITION   for fastest loop sterilization
UNIFORM & CONSTANT FLAME   enables perfect bottle neck sterilization
SAFETY CABINET QUALIFIED   due to optimized air flow support
HANDS FREE OPERATION   can be operated by a foot switch or touch free IR-sensor ignition

The new LabFlame has been designed specifically for use in microbiology laboratories. The one-piece, stainless steel housing is free from any gaps or rims and therefore easy to clean and fully UV resistant. Its optimized air-flow system allows a uniform and constant flame even in safety cabinets with horizontal or vertical air flow. LabFlame can be connected to any gas source. All controls for gas and air supply, as well as the multifunctional control for the modes of operation, are conveniently located on the easy to read display.

When safety matters ...   LabFlame automatically cuts the gas supply when the flame is extinguished and checks the burner head temperature.

When gas consumption matters ...   LabFlame cuts the gas after each loop sterilization and LabFlame starts straight-away with an optimal flame shape.

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Really fast

Super fast flame ignition & high precision gas mix

Without grooves and rough edges

The low profile body facilitates lab-ergonomic operation; the streamlined design reduces air flow disturbances in a clean room workbench to a minimum. Moreover the LabFlame is very easy to clean – a laboratory gas burner without grooves and rough edges.

Superior safety features

LabFlame constantly analyzes potential hazards and initiates automatic interruption of the gas supply. It offers a continuous burner head control (BHC) and overheating protection. BHC unfailingly identifies burner head clogging by liquids or solid substances and ensures the correct assembly of the burner head!

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 adjustable automatic cut-off system inhibits unintentional ignition when the flame has not been ignited for a longer period of time.

MODES	Foot switch / Pedal
Pedal I	Push button mode
Pedal II	Start/Stop + exact time set (sec.)

MODES	IR Sensor
Sensor I	Auto-Off mode with time set
Sensor II	Start/Stop + exact time set (sec.)
	Residual burning time displayed

SETTINGS	Safety & Commodity
BHC	Burner head control
Sensor	Click or DoubleClick start
Stand-by	Automatic switch off setting
IR-Sensor	Sensitivity range setting -IIII+
Language	EN - DE - FR - SP

TECHNICAL DATA

Flame temp.:	1350°C on liquid gas
	1300°C on natural gas
Temp. threshold level:	1.2 kW liquid gas
	1.0 kW natural gas
Housing:	Stainless steel / glass
	UV and solvent resistant
Burner head:	Stainless steel
Cover of burner shaft:	Ø 23 mm, with drains
Dimension (w x h x d):	103 x 49 x 130 mm
Weight:	700g

SAFETY APPROVED!

CE DVGW GS geprüfte Sicherheit SCS

Item No.

LF8.000.000	LabFlame IR	DoubleClick IR-sensor (adjustable), turbo flame ignition, Safety Control System (SCS), Burner Head Control (BHC), removable burner head, 2 nozzles for natural gas and propane/butane gas, wrench 17mm for gas connection, tubing connector with swivel nut, switching power supply (global), optional foot switch.
LF8.002.000	LabFlame +	All LabFlame IR components + additional slot for rechargeable battery pack. For cable free operation in biological safety cabinets (option 800900 required)

Accessories

Flame shield
8000600

Spray protector
6000200 Standard
6000210 Autoloop

Loop tray
8000340 For 3 loops connectable right/left side

Life science head
8100090 Regular head
8100091 Life science burner head (double height)

Foot switch / Pedal
8000402 Stainless steel
6000403 Mini / benchtop both pedals with power cord

AutoLoop
8000380 AutoLoop for LabFlame IR / Lab Flame +

Safety adapter CV 360
8000700 Side / compact
8000750 Rear / slim safety adapter with pressure regulator and 1 gas nozzle

Safety adapter CV 470
6000855 Base plate
6000850 Safety adapter with pressure regulator

Safety adapter CV 206
6000800 Safety adapter with pressure regulator

Safety adapter CP 250
6000820 Safety adapter with pressure regulator

Battery charger kit
8000900 For LabFlame + with 2 battery packs (LI-ION) rechargeable

NOVA Microincinerator
AG.S3022 Electrical 220 V gas-free loop nealing for the use in laminar flow cabinets

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