BIOTOOL SWISS

LabFlame Aero

The airflow flame solution

Conceptional difference

- flaming with the airflow <> eliminates dancing flames
- 360° operational angle <> for any hood enclosure
- sturdy flame shape <> precise flame sterilization
- no turbulences <> increased safety in BSC cabinets
- flame on demand <> economic gas consumption

Ideal for use in biosafety cabinets

LabFlame Aero

Aero offers the possibility to install a fixed and safe flame sterilization station, always ready for a quick safety hot shot.

Air Dynamics

The new LabFlame aero is designed to enhance the flame sterilization under air dynamic conditions. While standard safety burners fight with flames dancing against the air stream, with the risk of incomplete sterilization based on deviated flames, LabFlame aero can flame with the stream and offers an improved sturdy flame shape.
Aero can be mounted upside down and flame along with the flow. This simplifies the precise sterilization handling of e.g. bottle necks, caps, threads and increases the safety of effective sterilizations. Ideal use in laminar air flows, eliminating turbulences and dancing flames.

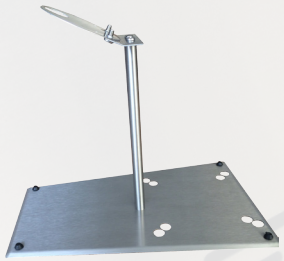
Flame on demand

Immediate flames ignition – via footswitch, touch free IR detection or manual start. Aero offers a compact stainless steel body with a variety of mounting accessories for convincing economics in limited enclosure spaces. No workspace loss if mounted on sidewalls or base stand.

Advantages

Safe automatic re-ignition and gas cut off
No media spills in burner head – less cleaning

Functions:	Button: Start-Stop + timer, max 60 min Foot pedal: flame on demand
Safety features	automatic re-ignition heat and pressure monitoring with safety gas cut off
Gas supply and consumption	
Gas connection:	1/4“ left hand thread with gas filter
Gas types:	I3P 1.5 bar liquid gas
Connected load:	38 g/h
Cartridge operation (type-time):	C 206 - 4h / CV 300 - 6h / CV 470 - 11h
Flame characteristics	
Max. flame temperature:	approx. 1200 °C
Flame measurements (h x Ø):	max. 120 x 10 mm
Temperature threshold level:	500 W
Electrical	
Power consumption:	2 VA (Stand-by max 0,1 VA)
Switching power supply:	100-240V / 50/60Hz / 0,3A; 9V DC / 1,3A Level 6 (Stand-by Verbrauch max. 0,1 W)
Mechanical	
Burner head:	removable
Dimensions with burner head	75 x 88 mm / 135 x 88 mm, 580 g



Safety base stand
stainless steel
LF2.110.490

Safety adapter for gas cartridges with pressure regulator and DVGW-tubing (0.5 m)
C 206 - 1.5: LF2.110.800

additional with stainless steel stand
CV 300 - 1.5: LF2.110.831
CV 470 - 1.5: LF2.110.850

Foot pedal stainless steel
LF 6.000.402

Radio controlled foot pedal with RF-Stick
LF6.000.404-RF

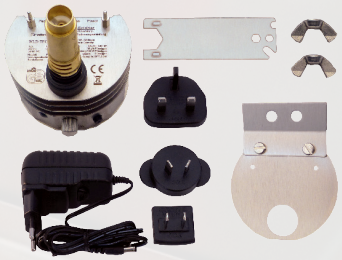
Foot pedal Mini
LF6.000.403

IR-motion sensor for touch-free flame activation stainless steel
LF6.000.406

Safety medium pressure regulator 1.5 bar for gas cylinders of 5, 11 or 33 kg
LF2.110.150

DVGW Safety tubing for threaded connection 3/8“ L«-»1/4“ L (1.5 m)
LF2.110.310

Gas leak protection 1.5 bar:
LF2.110.131



LabFlame Aero including
Nozzle for propane / butane gas
Removable burner head
Bracket with 2 wing nuts for upside down mounting
wrench 17 mm, switching power supply (worldwide, level 6)
Instruction manual
LF2.110.000-L