

New
Highspeed System

GlowZ ^{Etna}



Sterilizing by IR-HotSpot



Infrared Loop Sterilizer - using IR-HotSpot Technology

High-Speed Annealing and Sterilizing the Smart Way

Are you looking for a fast, efficient and flameless product to anneal or sterilize your inoculation loops and delicate micro instruments? Then our electrical GlowZone Etna should be your first choice.

Smart Infrared Light – Instantly Ready to Work

Specifically focused infrared light generates an IR-HotSpot in which your inoculation loop is sterilized at temperatures from 750 to 1000°C after only 5 to 10 seconds. The GlowZone Etna just needs to be plugged in and will be immediately ready to use, without any unnecessary warm-up period.

Our highly sophisticated annealing tube is based on many years of experience. It is made of special quartz glass. The tube is closed at one end preventing any risk of contamination with pathogenes.

The annealing tube can be slid out in a matter of seconds for easy cleaning.

Smart Operation – Touchless Working

GlowZone Etna allows you to fully focus on your core task. Hardly any attention is needed for inserting your inoculation loop into the annealing tube – which is easily accessible from the front of the flat glass panel.

Touchless IR-Sensor technology starts each sterilization process automatically. Adjustable timers signal both the completion of sterilization and cooling via the display and an audible signal. After that your inoculation loop is ready for use. Both timers can be adjusted and recalled individually and up to the second for two users by gently touching the panel.

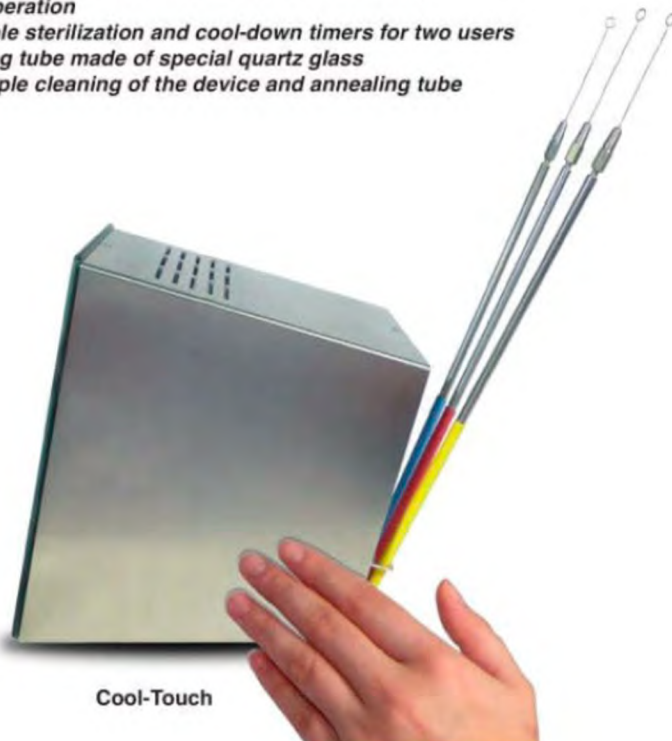
Smart Use of Power – Minimum Heat Dissipation

'Thermocontrol' is the key element for an efficient use of power. It allows for quick but smooth softstart of the infrared light, a short heating period and the re-use of residual heat for the next sterilization process, which will be respectively shorter. Whenever you pause, your energy consumption and heat dissipation will pause as well.

Smart Design – Outstanding Features

GlowZone Etna comes in an elegant stainless steel housing with a touch safety glass control panel designed for extreme laboratory environments with many unique features:

- Instantly ready to work without any unnecessary warm-up
- Auto-Start through touchless IR-Sensor technology
- Touch operation
- Adjustable sterilization and cool-down timers for two users
- Annealing tube made of special quartz glass
- Very simple cleaning of the device and annealing tube



Cool-Touch



Touchless IR-Sensor
for an automatic start of
the sterilization process



Thermocontrol
with residual heat display



Annealing tube
removable in a mat-
ter of seconds



The range:

Infrared light technology and quartz glass annealing tube
Replacement quartz glass annealing tube
Inoculation loop holder with inoculation loop Ø 3 mm
Holding device for 3 inoculation loop holders
2-year warranty*

for 230 V mains voltage
for 120 V mains voltage

Expect parts to wear and tear!

Accessories



Magnetic instrument support
stainless steel



Tray, 3 places
stainless steel, for right or left side



Quartz glass annealing tube



Patrick Healy is the sales manager for the General Laboratory and Life Sciences Division in Mason Technology. Patrick has specialist knowledge of the BioTool Swiss range of products and their applications. Get in touch with Patrick today if you would like further information on the GlowZone introductory offer.



Patrick Healy
Sales Manager
E: phealy@masontec.ie
M: +353 87 276 6114

[Connect with Patrick on LinkedIn](#)



Inoculation loops

special stainless steel, wire Ø 0.6 mm
Ø 1 mm
Ø 3 mm
Ø 5 mm



Inoculation loop holder
stainless steel, with sleeve nut,
for inoculation loops
wire Ø 0.6 - 1 mm
length 245 mm
length 215 mm



Tray, mobile
stainless steel, 5 places

Technical Data

IR-Sensor:

Touch operation:

sensor range 8-stage adjustable
ON / OFF, selection for 2 users
sterilization timer 5 - 10 s
inoculation loop cooling timer 0 - 25 s with
audible signal (disengageable)
dynamic sterilization timer

Sterilization temperature
750 °C - 1000 °C (1382 °F - 1832 °F)

Thermocontrol:

Annealing tube

Quartz glass:

Safety features

Residual heat display:

Automatic unit switch off:

Temperature monitor:

indicates a hot annealing tube
15, 30 or 60 min.
thermal circuit breaker

Electrical

Power supply:

Power consumption:

Protection class:

Heat source:

220 - 240 V or 112 - 128 V, 50/60 Hz
approx. 600 W / short time (5 - 10 s)
IP 20
IR halogen spot light

Mechanical

Quartz glass annealing tube:

Casing:

outer-Ø 19 mm, inner-Ø 16 mm, length 112 mm
heat resistant glass / stainless steel,
UV and solvent resistant
110 x 170 x 180 mm
approx. 1800 g

Measurements (w x h x d):

Weight:

Licenses

CE:

EEC guidelines:

Protected Design

EN 61326-1, EN 61010, EN 62 471
2004/108/EC, 2006/95/EC, 2006/25/EC
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