

**NEW**  
Highspeed system



## 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**



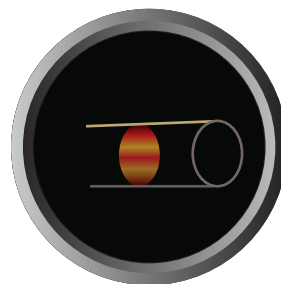
Cool-Touch



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



**Thermocontrol**  
with residual heat display



**Annealing tube**  
removable in a matter of second



**ZEST-MED CO.,LTD.**  
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Glowzone-P1

### 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



### Technical Data

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

### Annealing tube

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

### Safety features

Residual heat display: indicates a hot annealing tube  
Automatic unit switch off: 15, 30 or 60 min.  
Temperature monitor: thermal circuit breaker

### Electrical

Power supply: 220 - 240 V or 112 - 128 V, 50/60 Hz  
Power consumption: approx. 600 W / short time (5 - 10 s)  
Protection class: IP 20  
Heat source: IR halogen spot light

### Mechanical

Quartz glass annealing tube: outer-Ø 19 mm, inner-Ø 16 mm, length 112 mm  
Casing: heat resistant glass / stainless steel, UV and solvent resistant  
Measurements (w x h x d): 110 x 170 x 180 mm  
Weight: approx. 1800 g

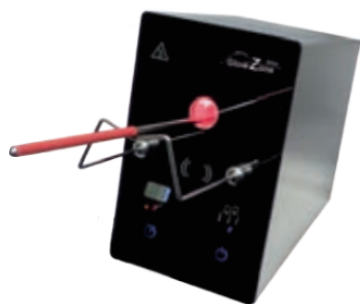
### Licenses

CE: EN 61326-1, EN 61010, EN 62 471  
EEC guidelines: 2004/108/EC, 2006/95/EC, 2006/25/EC

### Protected Design

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## Accessories



**Magnetic instrument support**  
stainless steel  
LF 4.000.350



**Tray, 3 places**  
stainless steel, for right or left side  
LF 6.000.341



**Quarzglasausglühröhre**  
Quartz glass annealing tube  
LF 4.000.400

**Inoculation loops**  
Spezialedelstahl,  
Draht Ø 0,6 mm  
special stainless steel,  
wire Ø 0.6 mm  
Ø 1 mm LF 6.000.371  
Ø 3 mm LF 6.000.373  
Ø 5 mm LF 6.000.375



**Inoculation loop holder**  
stainless steel, with sleeve nut,  
for inoculation loops wire Ø 0.6 - 1 mm  
Länge 245 mm / length 245 mm LF 6.000.360  
Länge 215 mm / length 215 mm LF 6.000.365



**Tray, mobile**  
Edelstahl, 5 Ablagen stainless steel, 5 places  
LF 6.000.320



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Glowzone-P2