



**HORO Dr. Hofmann GmbH**

## *Electric-Laboratory-Burner*

This laboratory burner was patented by Dr.-Ing. Arthur Hofmann

### *A glowing stream of air as a universal source of heat*

Clean and odorless working in regular atmosphere, no carbon black and no chemical reduction of the flame.

Homogeneous heating without peaks and overheating

No dangers because of flames, explosion and toxication by gas

Operated "stand alone" or with [glass support](#) and/or [power-regulator](#).

### **Examples for heating**

test tubes: approx. 30 sec.

100 ml flasks: approx. 4.5 min.

200 ml flasks: approx. 7.5 min.

crucibles Dia = 30 mm heated up to approx. 700 °C in 10 min.

crucibles Dia = 40 mm heated up to approx. 600 °C in 11 min.

Stack made of heat- resistant, acid- resistant and lye- resistant

ceramic material with a full **aperture with a diameter of 38 mm**

Enclosed heating system design, insensitive to overflowing fluid.

The stack is red-hot after been operated for 1.5 min. and a **strong stream of hot air emerges at the top.**

There is no limitation on the working time as long as needed. The unit can be easily switched on and off by the shock- proofed plug with included toggle switch or using the power regulator.

A square tube on the inside of the stack, made of heat- resistant and acid- resistant alloy, serves as a heat exchanger and is electrically isolated.

Just connect it to the electrical plug in the laboratory.

Flasks and dishes can be put straight on the 6 small elevation on the top of the stack. Additionally we have a glass support, shown below.

**overall- size 17cm or 6.6" in height**  
**base diameter is 12.5 cm or 5"**  
**power rating is approx. 590 W at 230 V**



## Accessories to the Electrical Laboratory Burner

### **HORO-power regulator**

used as a power supply unit for the Electrical Laboratory Burner

nominal power of the power regulator 2000 W  
controls the burner power between 0 and 100%  
no switch- on peaks because of the Softstarting  
optimized power demand and allocation



### **Glass support**

with protective grid, made out of stainless steel



### **Info**

The Electrical- Laboratory- Burner is solely sold through the Lab services. Commercial customers with a demand of more than 10 pieces are welcomed to get in contact with us.

**Do you need more information?  
Get in contact with us.**