

Operating Instructions

for

Rapid incinerator



Technical Data	
Range of wattage	0...100 %
Volts	220..240 V. 50/60 Hz
Power	2500 W
Overall Dim.	450 x 310 x 180 mm
Weight	7.6 kg

Technical Data

mrc

Range of Wattage

MRC LTD., HAGA VISH 3, HOLON 58393, ISRAEL

TEL: 972-3-5595252, Fax: 972-3-5594529

E-mail: mrc@mrclab.com

Maintenance

Generally there is no special maintenance necessary. Please avoid liquid or solid stuff getting into the heating. This would lead to heavy wastage as well as badly working outlets.

Replacement of spare parts

A complete heating element (Ref. EH 400) is available. If your staff is qualified replacing of all spare parts makes no problem. Otherwise please return the unit to the supplier.

The unit should only be connected to an earthed socket and 220/240 V AC. It is equipped with a switch clock up to 120 min running time. After expiration of the set period, the unit is automatically disconnected and a buzzer signal results lasting for approx. 2 min. The signal can be stopped manually by turning the control knob counter-clockwise in the direction of zero. Further the switch clock is equipped with a controller position 'Duration-On' (without time sequence). On opening of the operation flap, current to the rapid incinerator is disconnected automatically. Reconnection results automatically on closing the flap.

Warning: Do not touch the upper metal plates during or immediately after use - High temperature !

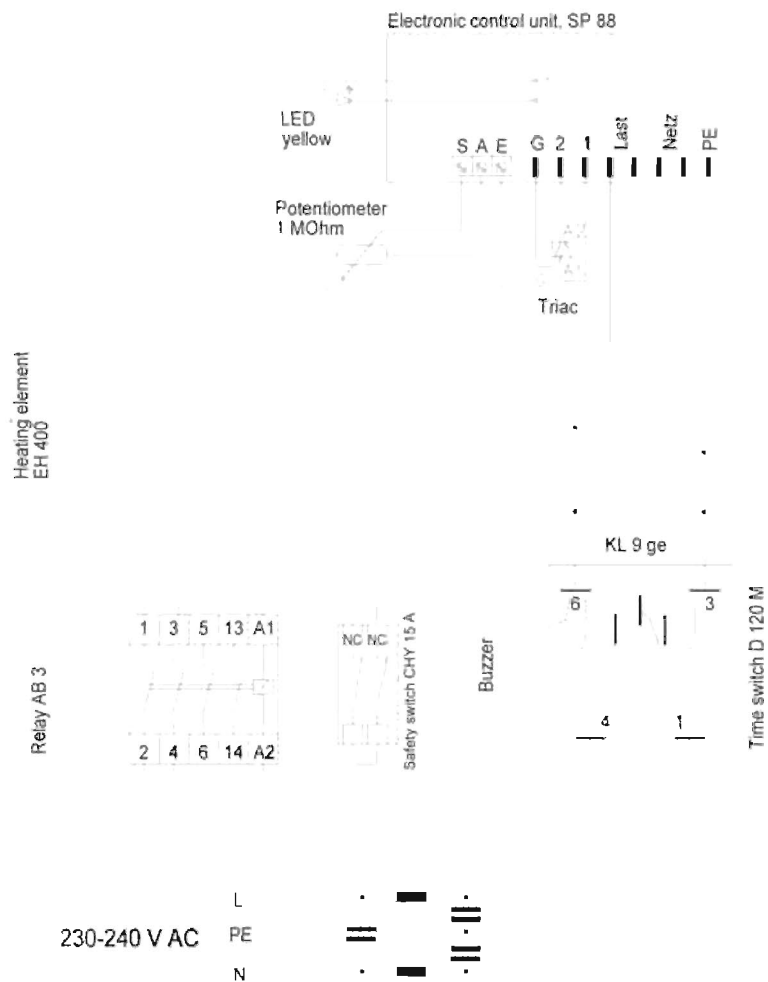
Temperature regulation

The unit has an electronic temp. regulation. Temperature desired is set with the left control knob. The markings 10 to 100% heating capacity help to find certain temp. data once more. It is also possible to set the control knob between two markings (variable regulation). Flashing in intervals, the light signals the control function of the electronics. Each flash signifies voltage conduction to the heating. At 100% heating capacity the light is on and does not flash.

Approximate figures for the temperature the control knob		
Setting of the power regulator	Temperature	
10 %	130 °C	Temperature central within the heating area, measured after approx. 15 min, flap open (without crucibles). Measuring near to the heating results in values of approx. 150 - 320°C higher. The resulting temperature depends on mains voltage, ambient temperature and tolerance of the heating resistors (especially because of ageing).
20 %	220 °C	
30 %	290 °C	
40 %	340 °C	
50 %	430 °C	
60 %	480 °C	
70 %	520 °C	
80 %	560 °C	
90 %	600 °C	
100 %	630 °C	

Application

The rapid incinerator is suitable for taking up porcelain crucibles of up to approx. 50 mm dia. Smaller crucibles are always more advantageous, as bright annealing is much quicker. The grate with 8 openings takes up the crucibles for pre-heating, drying and fuming off of also liquid crucible content. Ashing takes place in the lower triangle-



Order No	Spare parts
EH400	Heating element compl., , ready for installation
CHY 15 A	Safety switch
D 120 M	Time switch
DK 31	knob, 31 mmØ
SK -SVR	Graduated plate
SP 88	Electronic control unit, compl.
AB 3	relay
KL 9 ge	Control lamp, yellow
Please state serial number and type of the device in any spare order.	

1999 20.4 MRC MRC Ltd.

Wiring diagramm HOF-604