

LABINCO L32 Basic Hotplate Magnetic Stirrer

20 ltr. 325°C



Description : The "LABINCO" Model L32 is an instrument that provides separate or simultaneous heating and stirring in beaker glasses, erlenmeyers or other suitable containers. Aluminum alloy top plate, 195 mm diam, to be heated with cast-in heating element of 600 W. Temperature of the top plate is stepless controlled between 0-1250 RPM. Temperature and stirring speed are independently controllable. Robust aluminum alloy housing and spillage protected control panel are provided, as well as integral lattice rod support at the rear. Line-cord and Teflon coated magnetic stirring-bar are included with this model, delivered by Labinco b.v. Breda the Netherlands.

Operating instructions : Switch on "power" and check the illumination of green switch. The "heater control" in the ultimate counter-clock-wise position, the top plate-heating will be "off". Turning the "heater-control" clockwise, the hotplate will be energized and the led-lamp in the heat switch will lit. When the thermostate sensor detects a hotplate-temperature to be equivalent to the thermostat-setting, the thermostat will switch "off" and the led-lamp is put out. After the top plate temperature has dropped some degrees, the thermostat will switch "on" and the led lamp will lit again. In this way a constant top plate-temperature will be reached. The more the "heater-control" will be turned clockwise, the higher the temperature will rise before it stabilizes. The "speed control" works independently. Turn the "speed-control" clock wise till the stirrer starts rotating. The "speed-control" can now be set for the required stirring action. Of course you have to introduce a magnetic stirring bar into the containers.

Remark; Containers made from easily magnetizable materials may disturb stirring action.

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Technical data

Number of stirring positions	1
Stirring quantity max.	20 ltr
Motor rating input	35 W
Motor rating output	15 W
Speed display	analog
Speed range	50 - 1250 rpm
Stirring bar length max.	80 mm
Heat output	600 W
Heating rate	7 K/min
Heating temperature range	50 - 325 °C
Heat control	analog
Heat control accuracy	1 ±K
Speed control	analog
Adjustable safety circuit min.	-
Adjustable safety circuit max.	-
Connection for ext. temperature sensor	-
Control accuracy with sensor	-
Temperature constancy in medium	1 ±K
Set-up plate material	aluminium
Set-up plate dimensions	Ø 195 mm
Dimensions (W x D x H)	200 x 250 x 135 mm
Weight	4.2 kg
Permissible ambient temperature	5 - 40 °C
Permissible relative humidity	80 %
Protection class according to DIN EN 60529	IP 42
RS 232 interface	-
Product number	32000
Voltage	220 - 230 V (115 / 100 V)
Frequency	50/60 Hz
Power input	635 W