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IPC Irwin Low Voltage Heat Pad & Mat

Part Number IHP12

User Instructions



INTRODUCTION.

Thank you for purchasing the IPC Irwin Low Voltage Heat Pad and Mat or sometimes known as the Flameless Bunsen Burner. This versatile Heat Pad allows the user to heat up beakers, conical flasks etc. without the safety risks of fire or the use of gas. **However: this unit should never be left on or used without supervision.**

DESCRIPTION.

The Heat Pad and Mat consist of a circular orange silicone electrical heating element attached to a two-layer heatproof mat, it can be placed directly on a bench or table while in use. Due to this flat design, there is much less danger of items such as beakers from toppling over.

The Heat Pad and Mat is particularly useful for heating water, boiling alcohol etc. and solves the problem where a classroom is without a gas supply. The design of the heating element allows an even temperature across the surface, the product is also splash-proof and so may be used where spillage is possible. It comes complete with 0.5m silicon supply leads and 4mm connection plugs.

INSTRUCTIONS.

To power the Heat Pad and Mat you will require a power supply unit with either a 12VDC or 12VAC output voltage, capable of delivering 5 Amps. **Note:** IPC Irwin can offer several power supplies suitable for this application, please see contact our sales department.

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Once supplied the Heat Pad will heat up very quickly and will continue heating up while powered, this will therefore allow the required temperature to be reached over a set period of time depending on the item placed on the pad.

However: do not leave the Heat Pad powered once this temperature has been reached, as like a Bunsen Burner, the heat will continue to rise.

Once you are finished with the Heat Pad and Mat allow it to cool for at least 15 minutes before storing it away.

SPECIFICATIONS.

Electrical Supply	= 12VDC or 12VAC
Dimensions	= 150mm x 150mm x 36mm overall.
Heat Pad Dia.	= 100mm
Mass	= 0.2kg
Wattage	= 60 Watts
Current	= 5 Amps (Max.).

Please Note: This Equipment is for Education, Training, or research Purposes Only.

Mains (230VAC) Version.

IPC Irwin also offer a Mains Heat Pad and Mat (IMHP230) should mains power be the preferred method of supply or a suitable power supply is not available. This unit requires a supply voltage of 230VAC for 60W operation and comes complete with a 1.5m silicon supply cable and UK mains plug.

Thank you for choosing this IPC Irwin product, which has specifically been designed for education and we know it will bring you good service long into the future. This is just one product of a wide range of UK designed and manufactured products to enhance a STEM education, please see www.ipcirwin.com website for more details on the products and service we provide to support teaching and learning in science and technology.

IPC Irwin also provide Portable Appliance Testers and a Calibration service, for more details please go to www.ipcirwin.com or call our sales and technical support line on 015395 58555.



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