



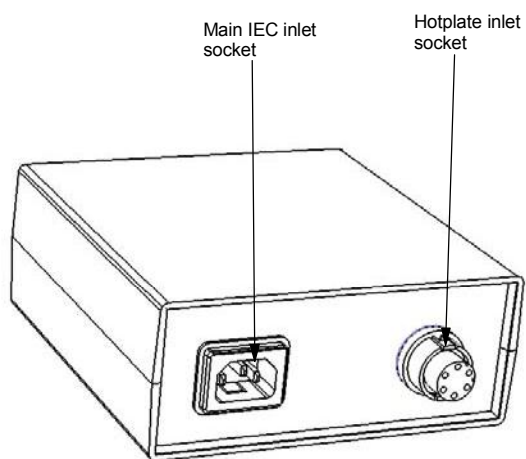
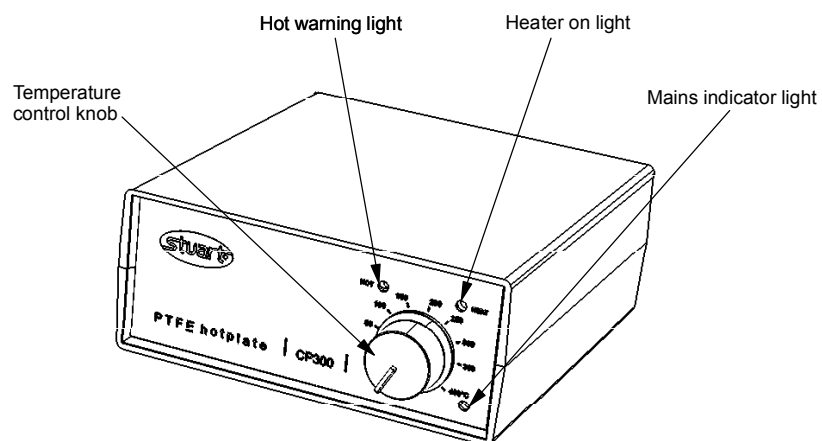
# **PTFE HOTPLATE**

**CP300**

## **Instructions for use**



This product meets the applicable EC harmonised standards for radio frequency interference and may be expected not to interfere with, or be affected by, other equipment with similar qualifications. We cannot be sure that other equipment used in its vicinity will meet these standards and so we cannot guarantee that interference will not occur in practise. Where there is a possibility that injury, damage or loss might occur if equipment malfunctions due to radio frequency interference, or for general advice before use, please contact the Technical Department of Bibby Sterilin.



## ENGLISH

**Thank you for purchasing this piece of Stuart equipment. To get the best performance from the equipment, and for your own safety, please read these instructions carefully before use.**

This equipment is designed to operate under the following conditions:-

- ♦ For indoor use only
- ♦ Use in a well ventilated area
- ♦ Ambient temperature range +5°C to +40°C
- ♦ Altitude to 2000m
- ♦ Relative humidity not exceeding 80%
- ♦ Mains supply fluctuations not exceeding 10%
- ♦ Overvoltage category II IEC60364-4-443
- ♦ Pollution degree 2 IEC664
- ♦ Use with a minimum distance all around of 200mm from walls or other items

If the equipment is not used in the manner described in this manual the protection provided by the equipment may be impaired.



### Electrical Installation

#### THIS EQUIPMENT MUST BE EARTHED

Before connection please ensure that the line supply corresponds to that shown on the rating plate. This equipment requires a supply rated at:

230V, 50 or 60Hz, ~, single phase.

The unit is supplied with two mains leads fitted with IEC plugs for connection to the control box. One has a UK 3 pin plug and the other has a 2 pin 'Shuko' plug for connection to the mains. Choose the lead appropriate for your electrical installation and discard the other.

Should neither lead be suitable, take the lead with the UK plug and replace the plug with a suitable alternative. This involves cutting off the moulded plug, preparing the cable and connecting to the rewirable plug in accordance with its instructions.

**IT IS IMPORTANT THAT THIS OPERATION SHOULD BE UNDERTAKEN BY A QUALIFIED ELECTRICIAN**

The wires in the mains cable are coloured as follows:

BROWN	-	LIVE
BLUE	-	NEUTRAL
GREEN / YELLOW	-	EARTH

The control unit is fitted with an IEC socket at the rear for connection to the mains supply. The appropriate mains lead should be connected BEFORE connection to the mains supply.

Should this lead require replacing, a cable of 1mm<sup>2</sup> of harmonised code H05W-F connected to an IEC 320 plug should be used.

N.B. The UK mains lead is protected by a 10A fuse mounted in the plug top.

Model	Power	Fuse
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CP300	900W	T5A
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**Fuse fitted in both live and neutral lines.**

**IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN**

### General Description



**WARNING: Top surface may be hot.**

The PTFE Hotplate consists of a ceramic tile and heater assembly embedded in a block of high grade fluropolymer. The hotplate is controlled via a separate control box which is connected via a 2 meter lead (partly covered with a fluoropolymer sleeve).

### Safety Advice Before Use

- Do not use to heat flammable materials.
- Position the instrument on a firm level surface away from any heat sensitive or flammable material.
- Never move or carry the instrument until it has been switched off and allowed to cool for at least 30 minutes.
- The unit should be carried using both hands with fingers under each side frame.
- Never move the unit while it is connected to the mains electricity supply.
- In the case of mains interruption, a fault or failure, the unit WILL continue to operate on removal of fault.

### Operation

**See page 2 for identification of controls.**

Position the hotplate unit on a firm level surface away from any heat sensitive or flammable material. Plug the hotplate into the control unit and then connect the control box to the mains (the green mains on light will illuminate).

Position the control unit in the area it is to be used (e.g. outside the fume hood).

Turn the unit ON using the temperature control knob and select the temperature of the hotplate by using the printed scale around the knob.

When the plate surface is hot (>50°C) a red warning light on the control box facia will begin to flash. This will continue to flash while the plate temperature is above 50°C even after the hotplate has been switch off (the control unit must remain connected to the mains supply).

### **Cleaning and care**

Before attempting to clean, please ensure that the top is cool and that the control unit is disconnected from the mains electricity supply.

The control unit should be cleaned using a damp cloth and a mild detergent.

The hotplate body can be cleaned with almost any cleaning agent. Must be compatible with PTFE.

A damp cloth will normally remove most types of contamination. For more difficult stains a domestic cream cleanser is recommended. Cleaning is made easier if spillages are attended to promptly. In any case, spillages of alkali, phosphoric acid and hydrofluoric acid **MUST** be removed immediately as these chemicals can attack and damage the glass ceramic. Ensure that the appropriate safety precautions are observed.

**WARNING:** A ceramic top which is scratched, chipped, chemically etched or damaged must not be used.

### **Servicing & repair**

This product does not require any routine servicing.

**NOTE:** There are no internal user replaceable parts.

In the event of product failure it is recommended that any repair is only undertaken by suitably qualified personnel. For advice or to receive a service manual please contact the Technical Service Department of Bibby Sterilin Ltd.

Only spare parts supplied or specified by Bibby Sterilin Ltd. or its agents should be used. Fitting of non-approved parts may affect the performance and safety features designed into the instrument.

If in any doubt, please contact the Technical Service Department of Bibby Sterilin Ltd. or the point of sale.

Bibby Sterilin Ltd  
Stone  
Staffordshire ST15 0SA  
United Kingdom

Tel: +44 (0) 1785 812121

Fax: +44 (0) 1785 813748

### **Warranty**

Bibby Sterilin Ltd warrants this instrument to be free from defects in material and workmanship, when used under normal laboratory conditions, for a period of **two** (2) years. In the event of a justified claim Bibby Sterilin will replace any defective component or replace the unit free of charge.

This warranty does NOT apply if damage is caused by fire, accident, misuse, neglect, incorrect adjustment or repair, damage caused by installation, adaptation, modification, fitting of non approved parts or repair by unauthorised personnel.

This warranty does NOT apply if the ceramic top has broken due to mechanical impact, scratching, chipping or chemical etching.

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[www.bibby-sterilin.com](http://www.bibby-sterilin.com)

### **Technical specification**

Plate material	Glass ceramic
Plate dimensions, mm	300 x 300
Heated area, mm	200 x 200
Heater power, W	900
Max. plate temperature, °C	400
Hotplate dimensions, mm, (w x d x h)	320 x 360 x 60
Control unit dimensions, mm, (w x d x h)	150 x 160 x 65
Lead length, mm	1700
Net weight, kg	11
Electricity supply	230V, 50-60Hz