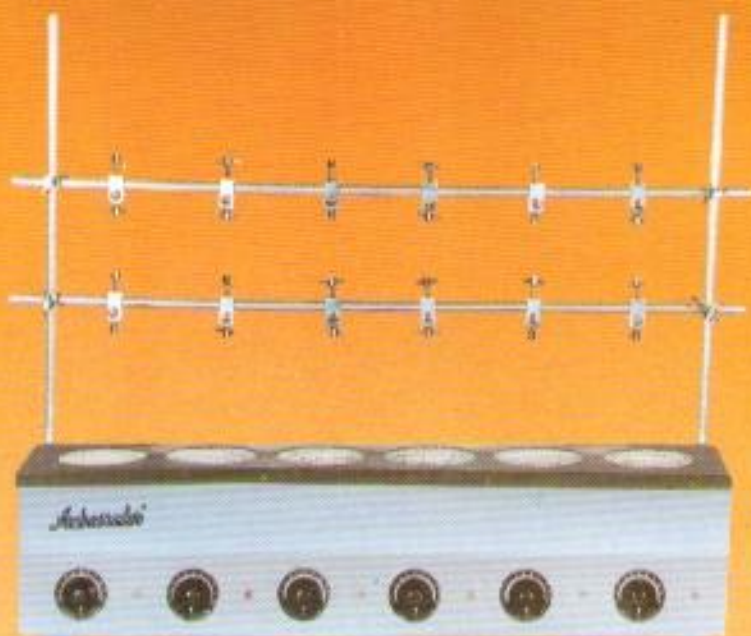


*Ambassador*<sup>®</sup>



**Soxhlet Extraction Mantle Heater**

*Ambassador*

## Soxhlet Extraction Mantle Heater (BPI — 32)

Soxhlet are very useful for pharmaceutical, food, stuffs, dyes & chemical industries besides research organisation & educational institution for carrying out extraction tests.

### CONSTRUCTION :-

Suitable for flask of 100 to 500 ml. Heated by coiled elements supported by hand knitted net made of glass yarn. Heat losses are minimised by glass wool insulation. The unit consists of a compact box section made of a mild steel housing, painted with stoving enamel. The flexible & elastic heating element ensure closer contact with the flask surface & even distribution of heat over the contact surface which minimises the breakage of glassware.

The housing two has two vertical & horizontal rods with gutkes & screw on which the glass apparatus can be fixed.

Every mantle is individually provided with a pilot lamp & a energy regulator.

For use on 230V AC 50Hz single phase supply.

### AVAILABLE IN TWO SIZES :-

- A. Consists of 3 unit test total rating 375 watts.
- B. Consists of 6 unit test total rating 750 watts.

### NOTE :-

- \* The Energy Regulator dials is arbitrarily marked 0-100 position. This marking does not indicate temprature. It indicates control level i.e. at position '100' maximum electric supply is allowed to flow to heating mantle. At the position '0' minimum electric supply is allowed to heating mantle.
- \* Spare Heating mantle can also be provided at an extra cost.
- \* When operating the apparatus for the first time it has to be watched carefully and must not work without supervision.

*(Following Company's constant endeavour to improve design apparatus may differ in detail from that illustrated or described in this leaflets.)*



*Ambassador*®



**Heating Mantle (Made of Glass Yarn)**





# Heating Mantle (Made of Glass Yarn) (BPI — 6)

Suitable for Laboratories, Chemical, Pharmaceutical & Glass Plants etc.

## FREE FROM FIRE HAZARDS :-

Ambassador (R) "Heating Mantle" are suitable for heating inflammable liquids for which gas burners or exposed element electric heater would be hazardous.

Highly recommended for volatile solvent distillations.

## CONSTRUCTION :-

The mantle heaters operate at "black heat" transferring the heat to the contents of the flask, mainly by conduction. This ensures uniform heat transfer and avoids "bumping". These mantles cover the flask to its equator to heat the flask uniformly. Heating coils are covered with sleeveings or ceramic beads & sleeveings. Insulated by mineral wool to ensure high thermal efficiency. Electric heating net is hand knitted from glass yarn.

The net is specially designed with tight knitting & also there is no joint from top to bottom to maintain the strength of the yarn and stands high temperature upto 350°C.

The body of the mantle is spun one piece from non rusting aluminium upto 5Lt. capacity.

The rating capacity of these mantles being small, their response to control device is rapid. Each unit is fitted with a pilot lamp and energy regulator with wire and plug to work on 230 Volt AC 50Hz supply or Three phase supply.

## FEATURE :-

- \* Provide clean, efficient and economic method of heating.
- \* Replace oil both and open heater which are accesible to fire hazards.
- \* Electric heating net is hand knitted with no joint from top to bottom.
- \* The body of the mantle is finished with good attractive stove enamel.
- \* Safe heating with element temperature upto 350°C.

## AVAILABLE FROM 50ml. to 50Lt. CAPACITY

SINGLE FLASK CAPACITY	WATTS	CIRCUITS	SINGLE FLASK CAPACITY	WATTS	CIRCUITS
A. 50ml & 100ml	80W	1	G. 10Lt.	2x600W	1
B. 250ml & 500ml	200W	1	H. 20Lt.	3x650W	3
C. 1 Lt.	300W	1	I. 50Lt.	5x650W	3
D. 2 Lt.	450W	1	(Cyl. or RB. Flask)		
E. 3 Lt.	500W	1			
F. 5 Lt.	600W	1			
MULTIPLE SIZES		(ONE MANTLE FOR MANY FLASK)			
L. 50-250 & 100-500ml	200W	1	O. 500-3000ml	500W	1
M. 250-1000ml	300W	1	P. 1000-5000ml	600W	1
N. 500-2000ml	450W	1			

## NOTE :-

1. Specialist in Drum & Vessel Heating Mantles as per specification.
2. The Energy Regulator dials is arbitrarily marked 0-100 position. This marking does not indicate temperature. It indicates control level i.e. at position '100' maximum electric supply is allowed to flow to heating mantle. At position '0' minimum electric supply is allowed to flow to heating mantle.

(Following Company's constant endeavour to improve design apparatus may differ in detail from that illustrated or described in this leaflets.)