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Scientific Laboratory Equipment

INSTALLATION, OPERATION AND CARE MANUAL

REMEMBER TO COMPLETE THE ONLINE WARRANTY REGISTRATION TO RECEIVE YOUR FULL TWO YEAR WARRANTY.

WARRANTY

All Scientific equipment comes with a standard ONE year warranty, The 1 Year Extended Warranty is only valid for customers who have registered their warranty online at www.scientific.co.za within the first year after making their purchase.



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	Scientific product Product Code (see Serial number (see
Scientific	INTENDED USI Agriculture Automotive Biochemistry Botony Chemistry Cosmetics Electronics Food

Scientific Laboratory

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	Agriculture	Genetics	Pharmaceutical Physics
	Automotive	Industrial	Power Generation
	Biochemistry	Medical	Special Metals
	Botony	Microbiology	Sugar
	Chemistry	Mining	Water
	Cosmetics	Nuclear	Zoology
Ì	Electronics	Paper/Packaging	Other (Specify):
2	Food	Petrochemical	

ALL SCIENTIFIC EQUIPMENT COMES WITH A TWO YEAR WARRANTY ON COMPONENTS AND DEFECTIVE WORKMANSHIP - TS & CS APPLY.

LABORATORY HOTPLATES

LIMITED WARRANTY

The manufacturer guarantees that this unit is free from defect in materials and workmanship when it leaves the factory and undertakes to replace or repair the unit if it proves defective in normal use or during servicing for a period of 1(one) year. The date of original installation and is for the benefit of the original purchaser only. The liability under this warranty is limited to repairing the defective unit or any part of the unit provided it is sent carriage paid to an authorized dealer. All other Warranties ,expressed or implied , statutory or otherwise, including without limitations any implied Warranty of Merchantability or fitness for purpose are excluded .The Seller shall in no event be liable for direct, indirect or consequential damages in connection with the products.

This unit is at all times to be used according to the instruction manual and for its normal purpose.

This Warranty is not effective if damage occurs because of accident, carelessness, improper installation, lack of proper set-up, supervision when required or if the equipment is installed or operated in any manner contrary to the installation and operating instructions. In these cases, repairs will be made at a reasonable cost. Work performed by unauthorized personnel or unauthorized service agencies voids this Warranty.



INSTALLATION OPERATION AND CARE OF LABORATORY HOTPLATES MODELS: 500 R00/501 R00 / 502 R00

UNPACKING

Unpack the product and check for any damage incurred during transit. This should be reported to the responsible carrier, railway or postal authority, and a request for a damage report should be made.



THESE INSTRUCTIONS MUST BE FOLLOWED FOR US TO GUARANTEE OUR FULL SUPPORT OF YOUR CLAIM FOR PROTECTING AGAINST LOSS FROM CONCEALED DAMAGE. THE FORM FOR FILING SUCH A CLAIM WILL BE PROVIDED BY THE CARRIER.

PRODUCT DESCRIPTION

These hotplates are general purpose hotplates that are robustly constructed and designed for continual usage. All Models are controlled by an energy regulator which varies the power input to the elements enabling finer control at lower surface temperature. There is no surface temperature indication.

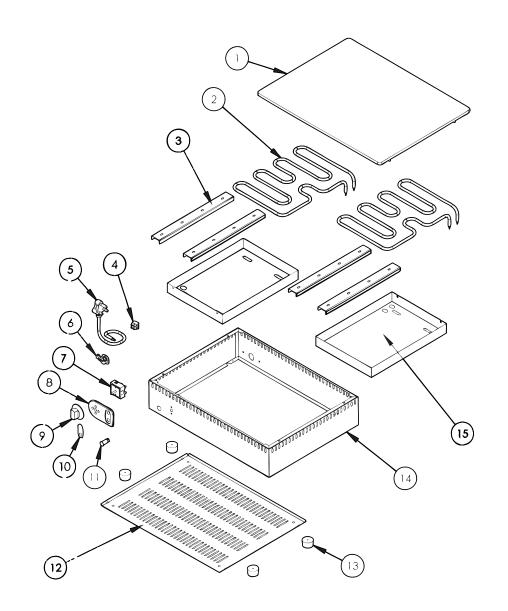
GENERAL INSTALLATION AND OPERATION INFORMATION

- 1. Ensure that the unit is placed on a sturdy bench.
- 2. Install the unit away from combustible material and preferably at least 300mm away from the wall or adjacent surfaces.
- Check that the mains voltage complies with the rated 220-240VAC 50Hz-15 amp supply voltage and plug into power socket.
- 4. To energize the heating elements turn the energy regulator knob marked 0 to 6 to the desired setting.
- 5. The hotplate element will cycle on and off at the setting selected.
- 6. To have the heating elements permanently energized, the knob should be turned to position 6.
- The hotplate top is covered with a special heat resistant coating which may smoke initially as the unit is burned in. This is normal.

MODEL : LABORATORY HOTPLATE MODEL CODE : 502

Part No.	Description
1	502 TOP PLATE
2	ELEMENT 1500W 230V
3	ELEMENT CLAMP
4	TERMINAL BLOCK
5	POWER CORD
6	CABLE GRIP
7	ENERGY REGULATOR
8	CONTROL PANEL
9	KNOB
10	CONTROL PANEL INSERT
11	PILOT LIGHT
12	BOTTOM COVER
13	LARGE RUBBER FOOT
14	BODY ASSEMBLY
15	ELEMENT COVER

EXPLODED DIAGRAM LABORATORY HOT PLATES MODELS: 502





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🛆 WARNING

Burn Hazard.

Do not touch hot, liquid or heating surfaces while equipment is heating or operating

Hot surfaces and liquid can burn skin. Allow the hot surfaces to cool before handling

CLEANING

- Care should be taken when operating this appliance as hot surfaces are present which may cause burns.
- Ensure that the power supply cord does not come into contact with hot surfaces.
- It is recommended not to leave the unit in operation unattended.



CLEAN WITH A DAMP CLOTH AND SOAP. AVOID THE USE OF DETERGENTS CONTAINING ABRASIVE SUBSTANCES. DRY CARE-FULLY AFTER CLEANING. DO NOT USE PRODUCTS CONTAINING AGGRESSIVE CHEMICALS, ACIDS OR PRODUCTS WITH CHLORINE.



Electric Shock Hazard.

Keep water and other liquids from entering the inside of the equipment. Liquid inside the equipment could cause an electrical shock

Do not spray water or cleaning products. Liquid could contact the electrical components and cause a short circuit or an electrical shock. Do not use equipment if power cord is damaged or has been modified

SAFETY

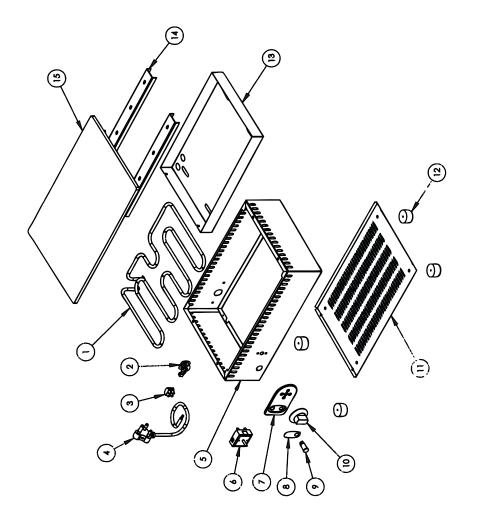
READ ALL INSTRUCTIONS BEFORE USE. FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN INJURY TO YOURSELF AND OTHERS

- 1. Use the hot plate on an individual 15A mains outlet only. **DO NOT OVERLOAD THE CIRCUIT.**
- 2. Ensure that the equipment and the power supply cord does not come into contact with hot surfaces.
- 3. This unit is only to be used by properly trained laboratory staff.
- 4. If the supply cord is damaged, it must be replaced with a new cord assembly available from the suppliers agent.
- 5. Use only earthed outlets matching the serial plate voltage.
- 6. Have equipment installed by a qualified personnel in accordance with local codes and ordinances.
- 7. Use equipment in a flat level position.
- 8. Do not operate if equipment has been damaged or is malfunctioning in any way.
- 9. These units are designed to run only on alternating current
- (A.C.) DO NOT CONNECT TO DIRECT CURRENT (D.C)

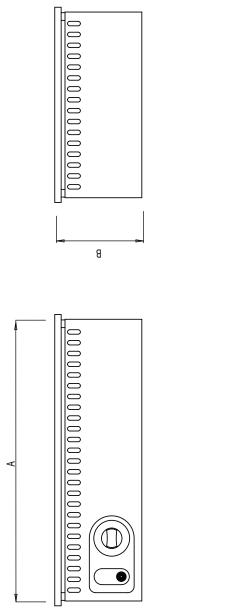
MODEL : LABORATORY HOTPLATE MODEL CODE : 501

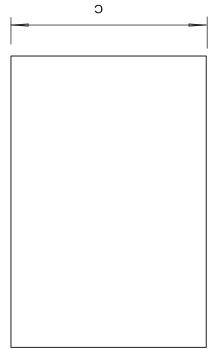
Part No.	Description
1	ELEMENT
2	CABLE GRIP
3	TERMINAL BLOCK
4	POWER CORD
5	BODY ASSEMBLY
6	230V ENERGY REGULATOR
7	CONTROL PANEL FACIA
8	INSERT
9	RED PILOT LIGHT
10	CONTROL KNOB
11	BOTTOM COVER
12	LARGE RUBBER FOOT
13	ELEMENT COVER
14	ELEMENT CLAMP
15	TOP PLATE

EXPLODED DIAGRAM LABORATORY HOT PLATES MODELS: 501



POSITIONING DIAGRAM LABORATORY HOT PLATE MODELS: 500/501/502





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ELECTRICAL AND TECHNICAL INFORMATION

MODEL	DESCRIPTION	VOLTS (V/Hz)	POWER (WATTS)
500	HOTPLATE 300mm	230/50	1500
501	HOTPLATE 450mm	230/50	2000
502	HOTPLATE 600mm	230/50	3000



THE CONTROL COMPARTMENT OF THIS UNIT CON-TAINS DANGEROUS VOLTAGES. MAINTENANCE AND SERVICING REQUIRING THE REMOVAL OF ANY PAN-ELS OR COVERS SHOULD BE DONE BY QUALIFIED SERVICE PERSONNEL ONLY.



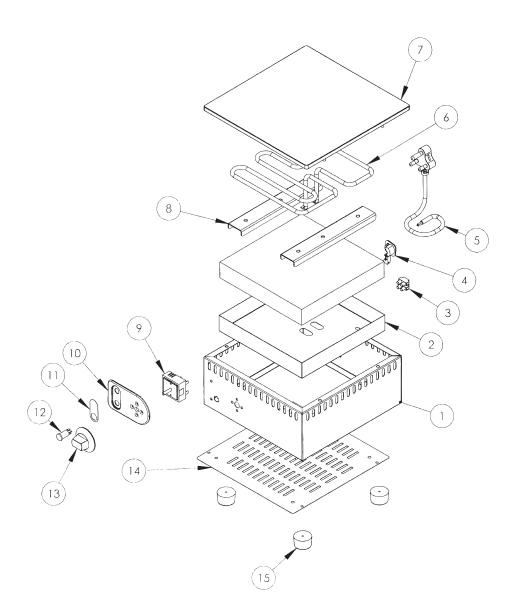
IT IS ESSENTIAL TO MAKE SURE THAT THE INCOMING VOLTAGE IS THE SAME AS THE RATED VOLTAGE OF THE OF THE UNIT AS FOUND ON THE SERIAL PLATE. THE SERIAL PLATE IS LOCATED AT THE REAR OF THE UNIT ADJACENT TO THE INCOMING CABLE ENTRY.

MODEL : LABORATORY HOTPLATE MODEL CODE : 500

Part	Description	
No.	Description	
1	BODY ASSEMBLY	
2	ELEMENT COVER	
3	TERMINAL BLOCK	
4	CABLE GRIP	
5	POWER CORD	
6	ELEMENT	
7	TOP PLATE	
8	ELEMENT CLAMP	
9	230V ENEEGY REGULATOR	
10	CONTROL PANEL FACIA	
11	INSERT	
12	PILOT LIGHT	
13	CONTROL KNOB	
14	BOTTOM COVER	
15	LARGE RUBBER FOOT	

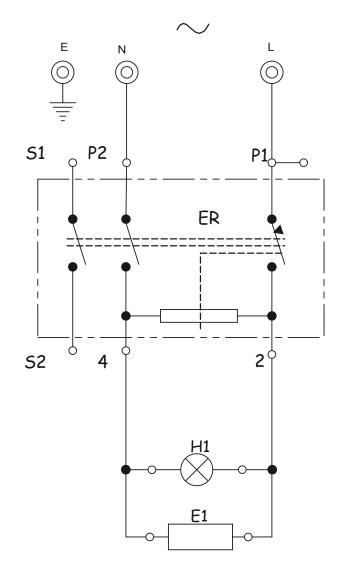
ACCESSORIES AVAILABLE MODEL 513 -SAND BATH ATTACHMENT			
MODEL DESCRIPTION ORDER CODE			
500	SAND BATH ATTACHMENT	509	
501 SAND BATH ATTACHMENT 510			
513	SAND BATH ATTACHMENT	502	

EXPLODED DIAGRAM LABORATORY HOT PLATES MODELS: 500



WIRING DIAGRAM MODEL: LABORATORY HOT PLATE MODEL CODES: 500/501

230V



WIRING DIAGRAM MODEL: LABORATORY HOT PLATE MODEL CODES: 500

LEGEND	DESCRIPTION	PART NUMBER
ER	ENERGY REGULATOR	1-ER-URS0012
H1	HEAT CONTROL PILOT LIGHT	1-PL-GP
E1	ELEMENT 1500W/230V	5-1500W-500

WIRING DIAGRAM LEGEND MODEL: LABORATORY HOT PLATE MODEL CODES: 501

LEGEND	DESCRIPTION	PART NUMBER
ER	ENERGY REGULATOR	1-ER-URS0012
H1	HEAT CONTROL PILOT LIGHT	1-PL-GP
E1/E2	ELEMENT 1500W/230V	5-2000W-M/GRILL

WIRING DIAGRAM MODEL: LABORATORY HOT PLATE MODEL CODES: 502

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LEGEND	DESCRIPTION	PART NUMBER
ER	ENERGY REGULATOR	1-ER-URS0012
H1	HEAT CONTROL PILOT LIGHT	1-PL-GP
E1/E2	ELEMENT 1500W/230V	5-1500W-GRILLER

