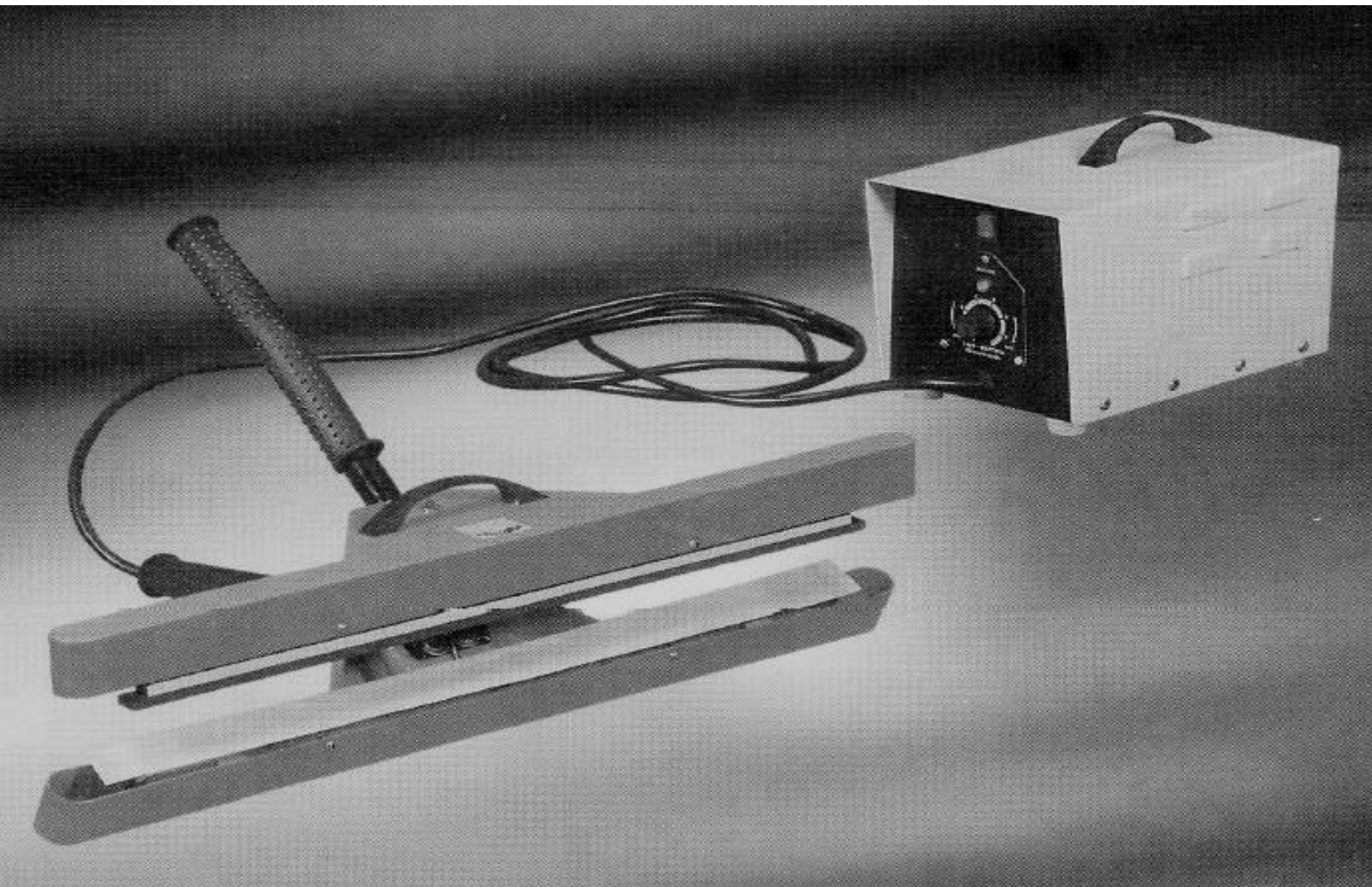




AN ISO 9001:2015 CERTIFIED COMPANY

USER MANUAL

Tong Sealer - Impulse

QS190T



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1. FOREWORD:

Thank you for choosing Sevana. You now belong to the Sevana family of over one million satisfied customers across the world. We are confident that you will have many years of complete satisfaction from this Sevana product.

We want you to derive maximum value from Sevana's reliable service and support infrastructure in India. We maintain Sevana's service mission of working continuously to provide customers with highest level of service, thereby ensuring mutually successful long term business association.

You can contact us through

Email	:	support@sevana.com	
Phone	:	+91-484-2680780	Monday to Saturday
Fax	:	+91-484-2680680	8.30 am – 5.00pm IST

We value your partnership

Yours sincerely

For Sevana Electrical Appliances Pvt. Ltd

Manager in charge,

Customer support

While contacting the support centre kindly provide the following information for a speedier support and service.

- ❖ Model
- ❖ Serial no.
- ❖ The nature of problem

2. HOW TO USE THIS MANUAL

- ❖ Please read this manual carefully before installing and commissioning the machine.
- ❖ Please keep a copy of this manual for reference near the machine.

The information in this document is believed to be accurate and reliable. However, Sevana Electrical Appliances Pvt Ltd, cannot accept any financial or other responsibilities that may result from the use of this information. No warranties are granted or extended by this document.

Sevana Electrical Appliances reserves the right to change any or all information contained herein without prior written notice. Revisions may be issued at the time of such changes and/or deletions.

3. SAFETY PRECAUTIONS

- ❖ Introduction
Machines of Sevana have been designed to provide extremely safe and dependable operation when properly used. Safety precautions must be observed during normal operation and when servicing the machines of Sevana.
- ❖ Warning
A warning describes safety hazards or unsafe practices which could result in personal injury or loss of life. A warning message is accompanied by a symbol as described in the following paragraphs and is also surrounded by a box to attract your attention.
- ❖ Use only grounded three pin socket.
- ❖ If the plug has to be changed follow the colour code as red for phase, black for neutral and green for earth.

4. TECHNICAL SPECIFICATION:

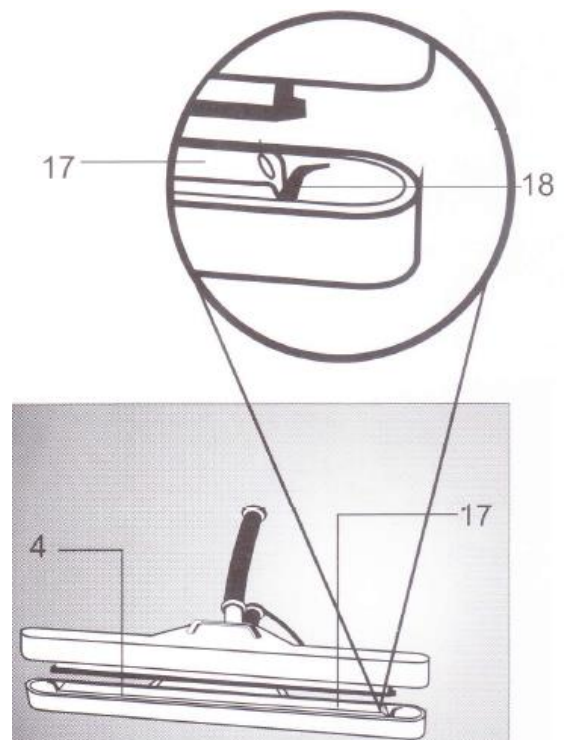
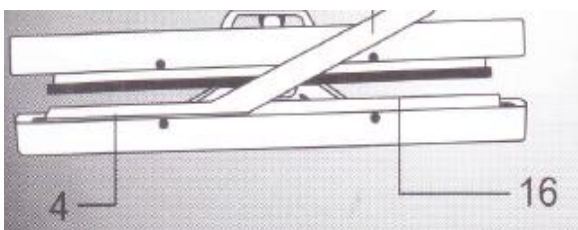
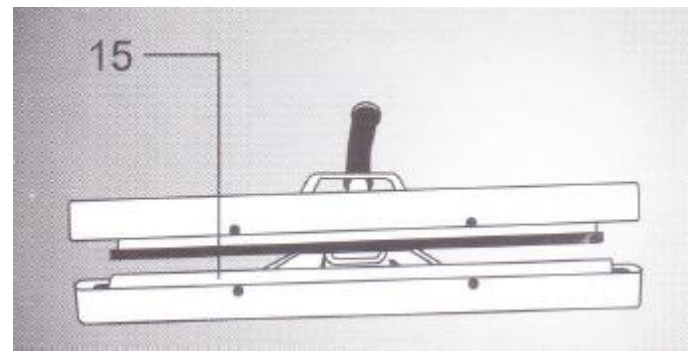
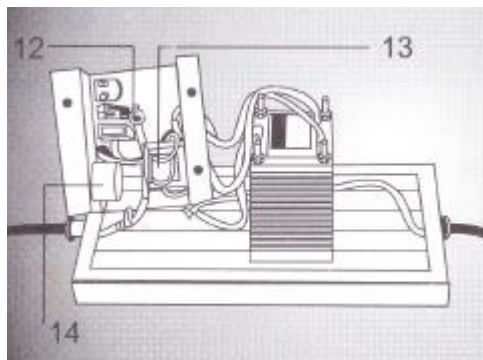
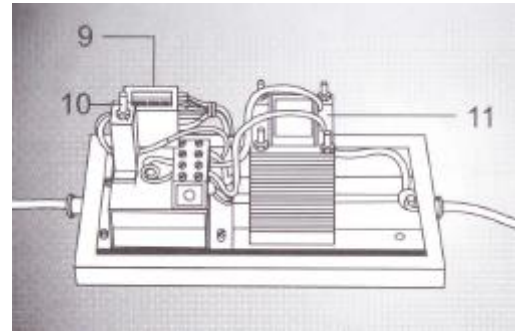
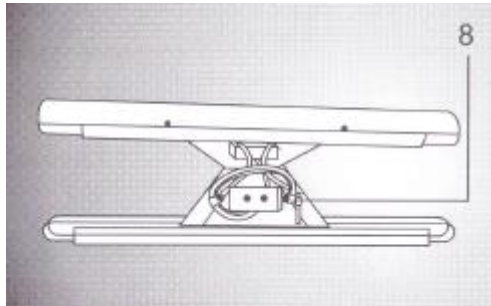
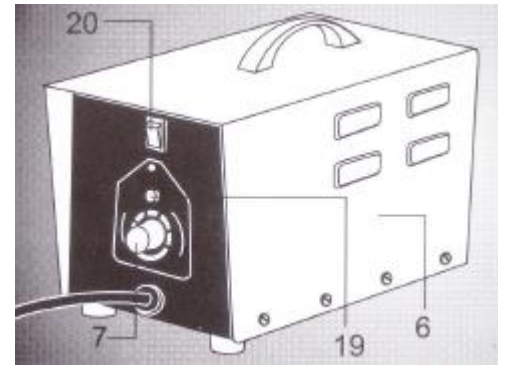
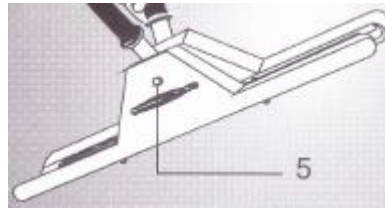
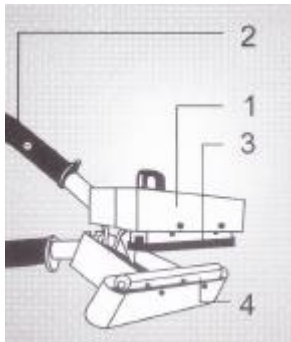
Model	QS190T
Machine's dimensions(LxWxH)	
Control deck	295mmx125mmx125mm
Tong housing	290mmx250mmx200mm
Seal dimensions(L x W)	190mmx3mm
Type of sealing	Impulse
Voltage	240V/50Hz/1Phase
Power	345W

5. UNPACKING

Note: Please verify the items with the packing slip.

- ❖ Inspect for any transit damages. If there are any, notify your dealer/transporter or us immediately.
- ❖ The machine is shipped well packed in a box.
- ❖ Place the box with the "TOP" marked to the top.
- ❖ Remove all packing materials.

6. LIST OF PARTS



Sl no	Item name
1	Jaw
2	Handle grip
3	Pressure pad
4	Element bed
5	Sealing time LED
6	Power supply unit
7	Control knob
8	Microswitcch
9	Relay
10	Potentiometer
11	Power transformer 40V
12	Timer PCBA
13	Control transformer 18V
14	Buzzer
15	Teflon fabric
16	Heating element
17	Bottom fabric
18	Element tension spring
19	Power on LED
20	Power on/off switch

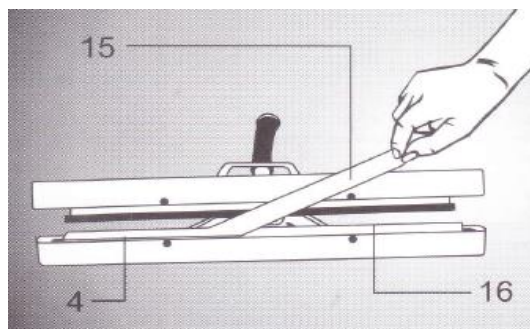
7. OPERATION

- Connect machine to a suitable power socket. The power on LED will light up if electric power is energized.
- Set the sealing time for the pouch to be sealed by turning the control knob on the power supply unit. Turn the control knob clockwise to increase and anticlockwise to reduce heat.
- Keep the pouch between the jaws.
- Press the handle and hold it till the three buzzing for cooling. Sealing time LED will be turned off after sealing time.
- Release the handle and check for sealing quality. If not satisfactory then adjust the control knob.
- After some continuous operation, as the element bed may get warmed up, the sealing time may be slightly reduced for increasing the life span of heating element and teflon fabric.

8. MAINTENANCE

- ❖ Clean the machine daily after usage.
- ❖ Clean inside the machine periodically using compressed air/vacuum cleaner.

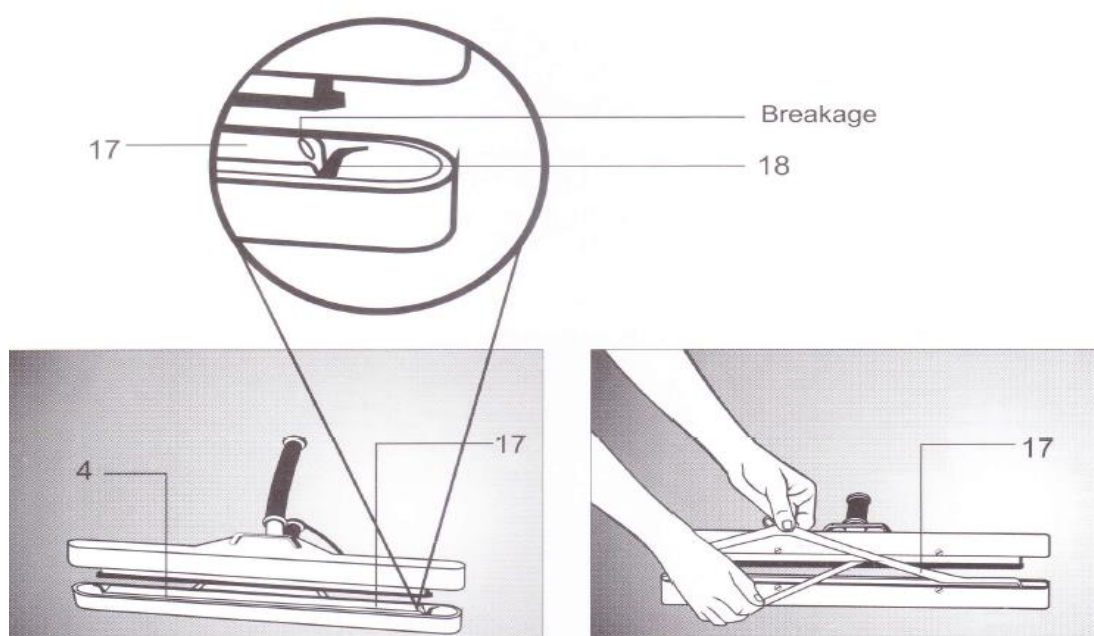
CHANGING THE TEFLON FABRIC



The teflon fabric over heating element may get darkened as a result of continuous usage. It is recommended to replace the fabric to avoid poor quality sealing performance.

- a. Pull out the teflon fabric.
- b. Clean element & element bed to remove any adhesive deposited on it.
- c. Then stick a new teflon fabric over the heating element.

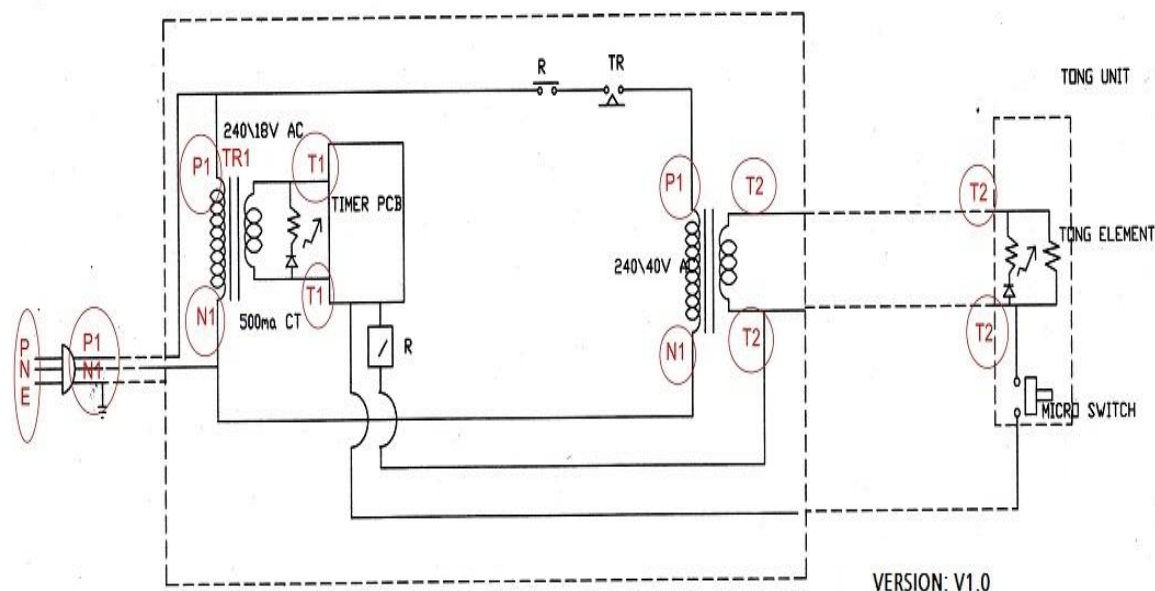
CHANGING THE HEATING ELEMENT



- a. Pull out the teflon fabric.
- b. Remove the damaged heating element.
- c. Check the bottom fabric for any damage.
- d. Then clean the element bed with petroleum based stain remover to remove any adhesive deposited on it.

- e. Stick a new bottom fabric on the element bed.
- f. Hook one end of the heating element onto one of element tension spring and hold the other element tension spring with screw driver and hook other end of heating element onto it.
- g. Stick the teflon fabric over the heating element.

9. ELECTRICAL SCHEMATIC



10. TROUBLESHOOTING:

No.	Complaint	Reasons	Remedy
1	Machine doesn't work.	1.No AC supply. 2.Power switch failure. 3.Mains cord failure.	1.Restore AC supply. 2.Replace the switch. 3.Replace mains cord.
2	Machine doesn't seal or imperfect sealing.	1.Open circuit. 2.No output from CT18V. 3.Microswitch doesn't operate. 4.Heating element/teflon tape get damaged. 5.Defective AC relay. 6.Defective ET spring. 7.Uneven element due to clogged adhesive at different places. 8.Bent on pressure pad(gasket).	1.Make proper connections. 2.If control supply of 15-18V is available then timer PCB is defective, replace it. 3.Check and do necessary adjustments. If defective, replace it. 4.Replace the defective. 5.Replace the defective. 6.Replace it. 7.Clean the element bed. 8.Replace the gasket.
3	Machine doesn't seal. LED glows when handles are pressed and put out after the	1.Burnt heating element/teflon fabric. 2.Both end of heating element shorted to the	1.Replace the defective. 2.Replace the bottom fabric.

	set time then buzzer beeps.	element bed. 3.No output from 40V transformer.	3.Check the both end and replace it if defective.
4	Machine doesn't seal. Sealing time LED blinks and buzzer beeps.	1.Low sealing time setting. 2.Defective potentiometer. 3.Defective timer PCB.	1. Increase the time. 2. Replace it. 3. Replace it.
5	Machine seals anytime when pressing handles and LED glows continuously. No buzzing.	1.Defective relay in the timer PCB. 2.Defective potentiometer.	1.Replace the relay or PCB. 2.Replace it.
6	Heating element fails continuously/thinning of film at sealing.	1.Higher sealing time setting.	1.Reduce it.

11. SERVICE LOG

Date	Complaint	Correction	Name of technician

[illegible]