



AN ISO 9001:2008 CERTIFIED COMPANY

USER MANUAL

Nitrogen flushing & Sealing machine

QS250NFPH/NFPI



www.sevana.com

YOUR PACKAGING PARTNER

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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
Mobile	:	+91-9388180781	8.30 am – 5.00pm IST
Fax	:	+91-484-2680680	

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.

- i. Model
- ii. Serial no.
- iii. 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.

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3. SAFETY PRECAUTIONS

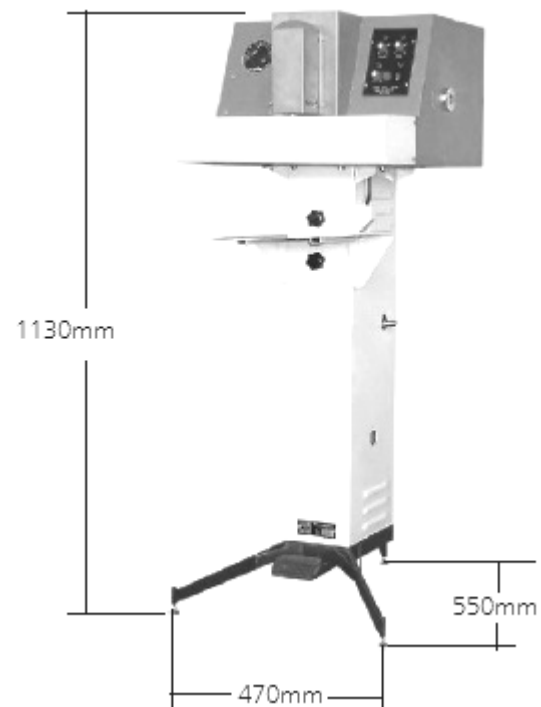
❖ Introduction

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.

4. MACHINE DIMENSIONS



5. PACKING SLIP

Name	Quantity
User manual	1
Tool set	1
Machine	1

6. TECHNICAL SPECIFICATIONS

Model	QS250NFPH	QS250NFPI
Machine's dimensions(LxWxH)	470mmx550mmx1130mm	470mmx550mmx1130mm
Seal dimensions(L x W x T)	250mmx9.2mm	250mmx3mmx0.2mm
Type of sealing	Hot Bar	Impulse
Voltage	240V/50Hz	240V/50Hz
Power	130W	400W
Compressed air pressure	6Kg/cm ²	6Kg/cm ²

7. UNPACKING

Note: Please verify the items with the packing slip.

- ❖ Inspect for any transit damages. If there are any, notify your dealer/transporter/insurance company or us immediately.
- ❖ The machine is shipped well packed in a wooden box with four bolts holding the machine to the bottom panel.
- ❖ Place the wooden box with the "TOP" Marked to the top.
- ❖ Remove all the side panels and top panel of the box.
- ❖ Remove all packing materials.

Tools required to unpack
• Pry bar/Crowbar • Claw hammer

8. INSTALLATION

- Attach leg and product support to the machine.
- Sealing jaw is pneumatically operated. Use 6mm PU tube to connect compressed air of 6-10Bar, 50LPM to the air inlet marked on the machine. Regulate the pressure value.
- Use 6mm PU tube to connect Nitrogen gas cylinder to the gas inlet marked on the machine and regulate the gas pressure to low value to reduce gas wastage and better performance.
- Connect the plug to a single phase power socket(240V/50Hz).

CONNECTING TO COMPRESSED AIR SUPPLY:

Machine is pneumatically operated and requires compressed air

SEALING TYPE	COMPRESSED AIR SPECIFICATION
Pneumatic	6-10 Bar, 50 LPM



Connect compressed air to the FRL (Filter Regulator Lubricator) Unit provided. Pressure should be adjusted to get best results.

CONNECTION TO NITROGEN GAS:

The machine can be connected to Nitrogen Cylinder/generator. Use 6mm PU tube from Nitrogen Supply to the gas inlet marked on the machine.

Gas pressure should be regulated to low value for better results and less gas wastage

- ❖ Connecting to Gas Cylinder
- ❖ Connect the provided regulator to the gas cylinder. Attachments are provided to connect to the gas regulator.



9. OPERATION

- a. Press the power switch to switch on the machine.
- b. Set the sealing time and flushing time as required.
- c. Insert the product into the pouch and place it on the product support.
- d. Place the open end of the pouch in between the sealing jaws. Keep the flushing nozzle at the mouth of the pouch.
- e. Press the foot pedal and hold it till the three buzzing.
- f. Flushing time LED and Sealing time LED will be turned off after the corresponding operations.
- g. Jaws will release automatically after the complete cycle.
- h. Release the pedal. Inspect the sealing perfection. Adjust the values, if required.

CONTROL PANEL:

250 NFPH	250 NFPI
Controlling knob for Vacuum	-
Controlling knob for Vacuum	Controlling knob for Vacuum
Controlling knob for Vacuum	Controlling knob for Vacuum
Fuse socket	Fuse socket
Power switch	Power switch

SETTING FLUSHING TIME:

Set the required flushing level by adjusting the “Flush” knob. Increasing time increases puffing of pouch.

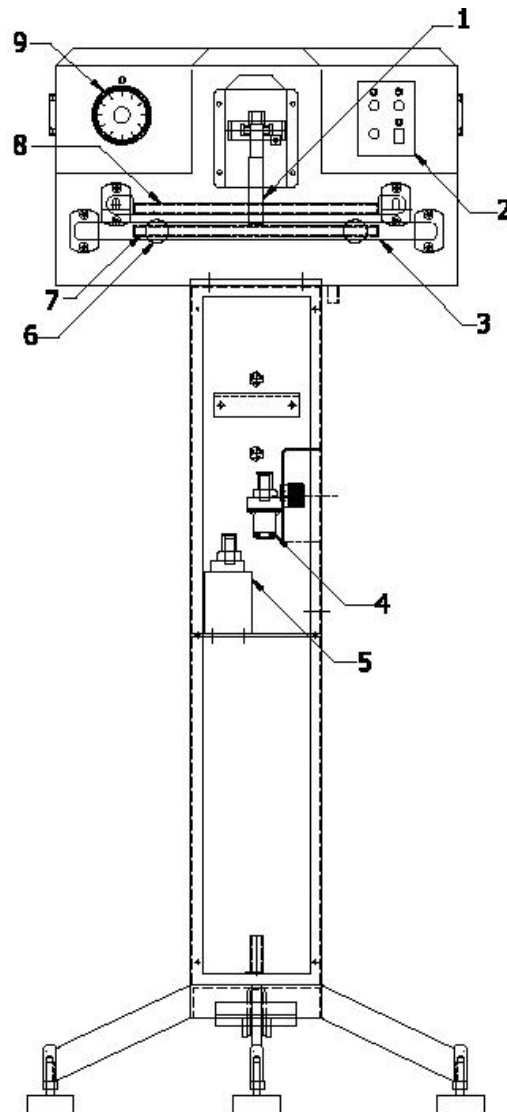
(Important: Pressure should be lowered and flushing time to be increased for better results)

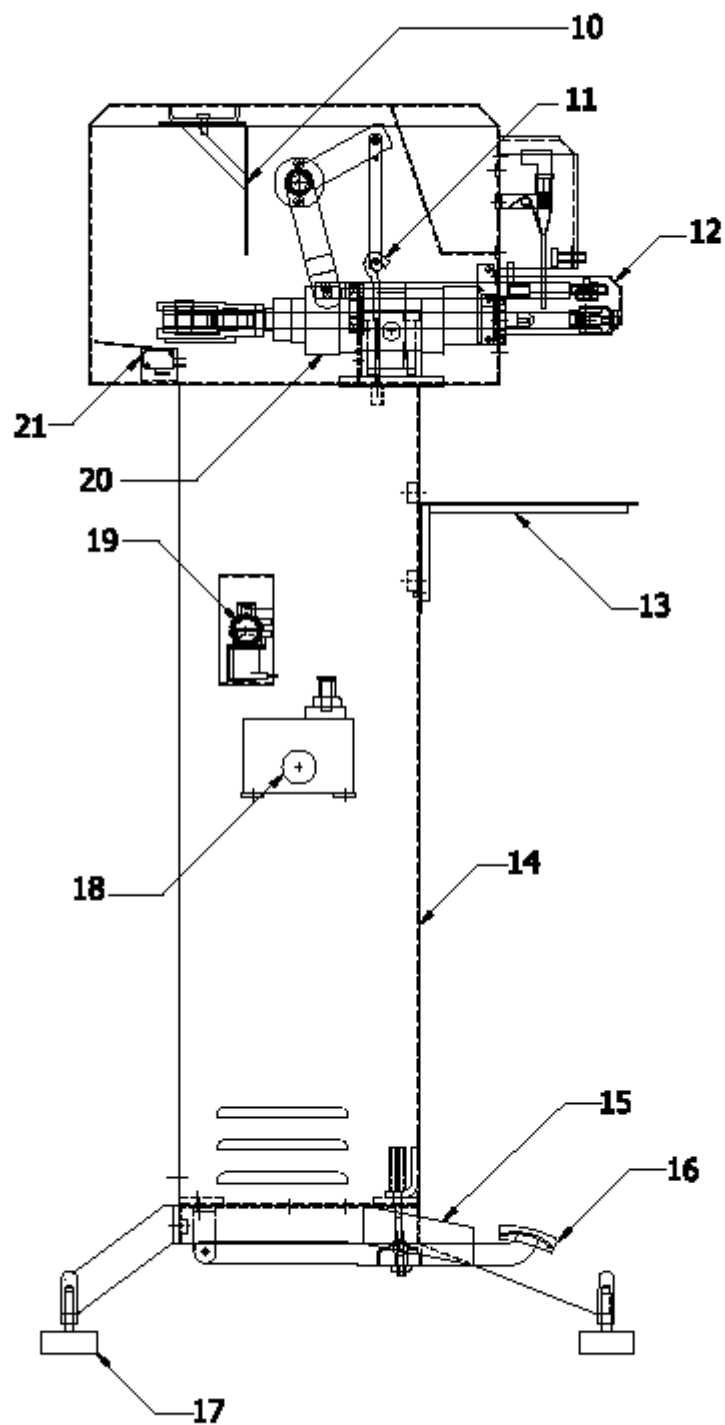
SETTING SEALING TIME:

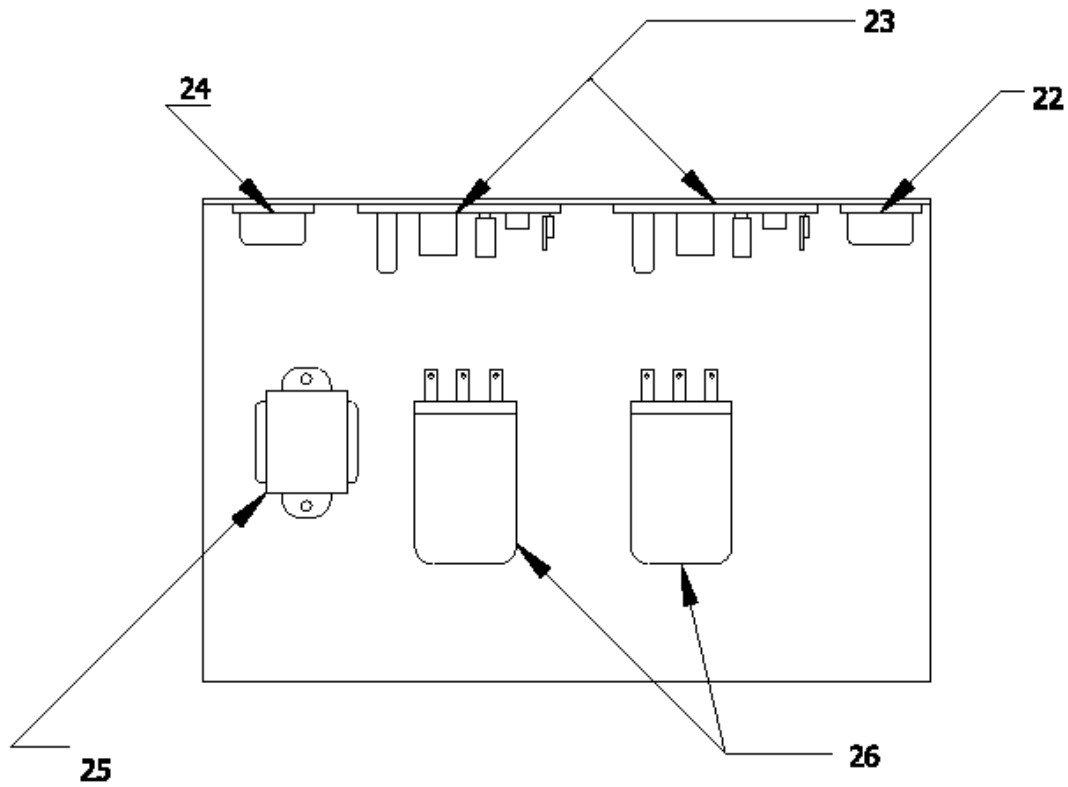
Set the required sealing time depending on the film to be used. Thicker pouches require more sealing time.

SETTING VACUUM TIME:

Set the required evacuation time by adjusting the Vacuum knob.

10. LIST OF PARTS

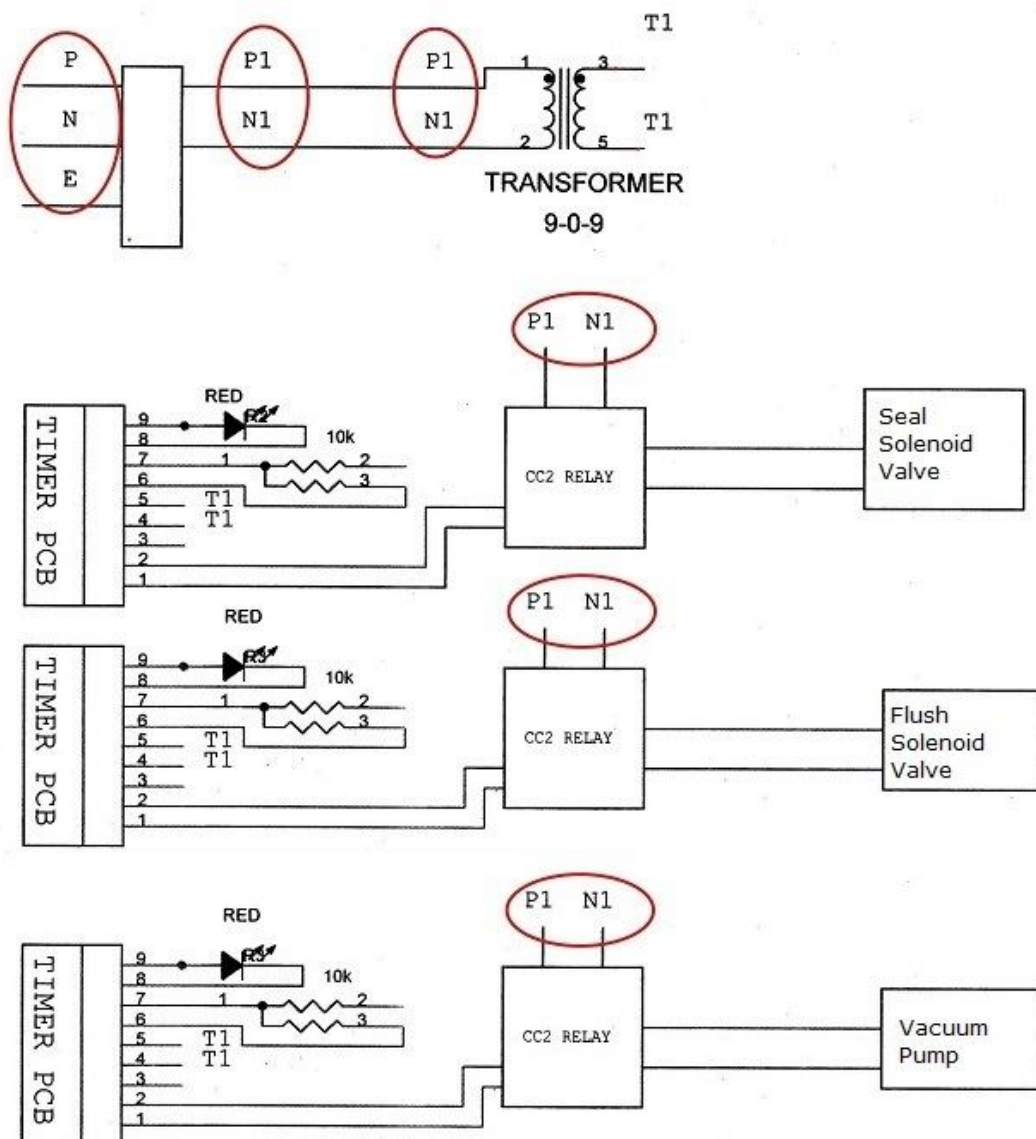




Sl no	Item name	Item code
1	Nozzle	1039187
2	Control panel	1032076
3	Sealing jaw	1001122
4	Solenoid valve lmsubs	1041014
5	Solenoid valve 5/2way	1041013
6	Hot bar	1001072
7	Teflon rod	1052270
8	Silicon gasket	1026020
9	Simmerstat	1022038
10	Relay plate	1008011
11	Pedal cable	1049817
12	Jaw cover	1008037
13	Product support	1008004
14	Trunk module	1044033
15	Base	1008123
16	Foot pedal	1008090
17	Leveling screw	1038011
18	Compressed air connecting port	-
19	Flushing gas connecting port	-
20	Pneumatic cylinder	1035005

21	Limit switch	1023111
22	Buzzer- continuous	1023134
23	Timer PCB	1033036
24	Buzzer- intermediate	1023136
25	Control transformer 9-0-9V,1A	1043003
26	CC2 relay	1023160

11. ELECTRICAL SCHEMATIC



VERSION: VI.0

12. TROUBLESHOOTING

Problem	Cause	Solution
The machine does not seal	The heating element is damaged.	Replace the sealing blade with a new one.
	Incorrect timing.	Replace timer board if it is defective. Replace the pot if it is defective. Replace the CC2 Relay if it is defective.
	No output from transformer.	Replace the transformer with a new one.
	Solenoid valve is defective.	Replace it
The machine does not flushing	Incorrect timing.	Replace timer board if it is defective. Replace the pot if it is defective. Replace the CC2 Relay if it is defective.
	No output from transformer.	Replace the transformer with a new one.
	Solenoid valve is defective.	Replace it
The machine does not evacuating	Incorrect timing.	Replace timer board if it is defective. Replace the pot if it is defective. Replace the CC2 Relay if it is defective.
	No output from transformer.	Replace the transformer with a new one.
	Solenoid valve is defective.	Replace it

13. SERVICE LOG

[illegible]