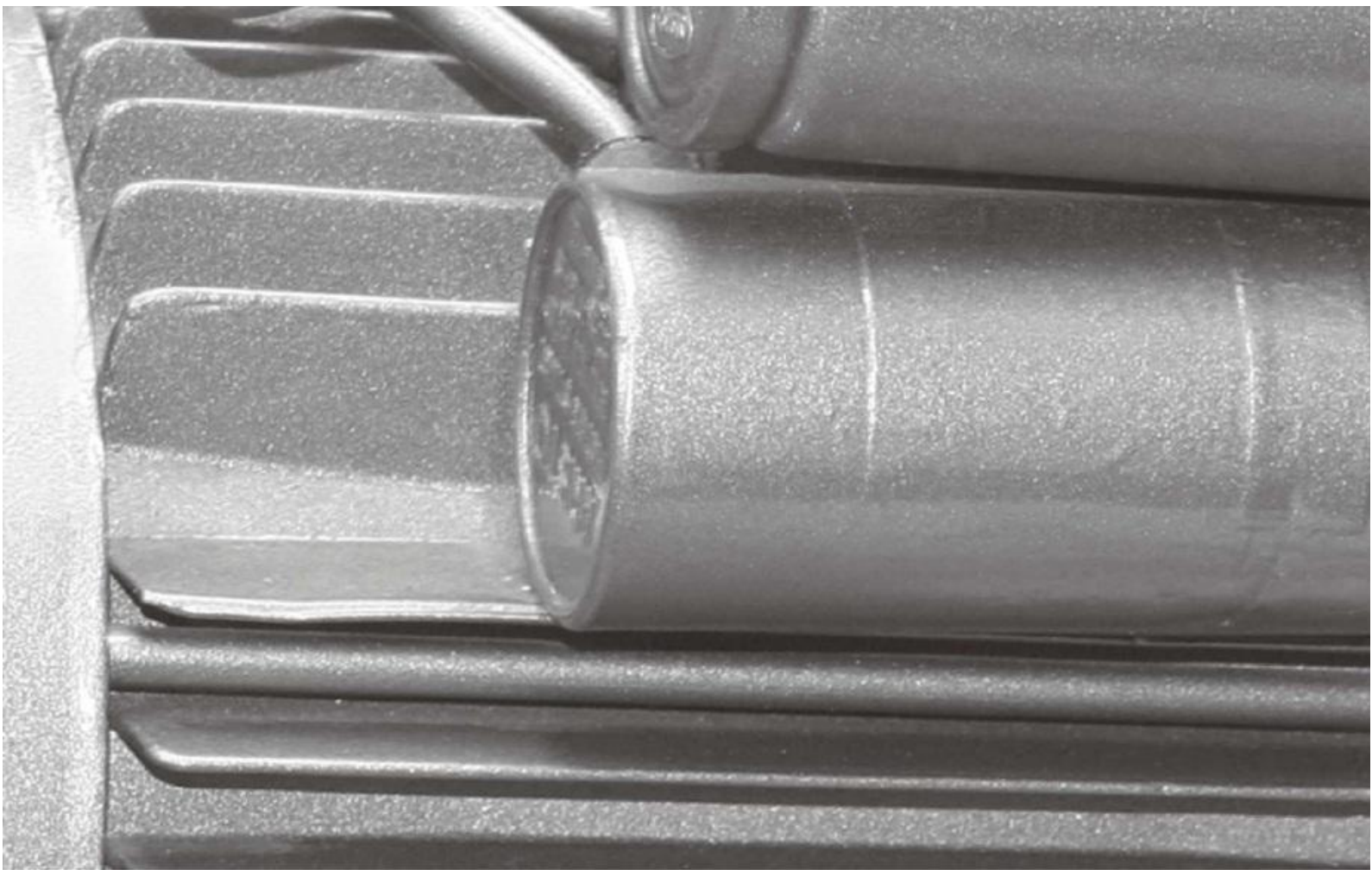




AN ISO 9001:2015 CERTIFIED COMPANY

USER MANUAL

Vibratory Vacuum machine

QS650VSVBRV1



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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

Toll Free	:	18004250780	
Email	:	customercare@sevana.com	
Phone	:	+91-484-2680780	Monday to Saturday
Mobile	:	+91-9388180781	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 center 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.

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.

- ✧ Never try to vacuum pack explosives or corrosive gassing materials.
- ✧ Do not start the machine before filling oil in the vacuum pump. The machine is shipped after draining the vacuum pump. Use “Sevol V” vacuum pump oil to fill the vacuum pump. Do not overfill the vacuum pump.
- ✧ Do not plug the machine to any 2 pin socket or ungrounded 3pin socket.
- ✧ If the plug has to be changed, follow the colour code ,

Red - Phase

Black - Neutral

Green/Gray - Earth

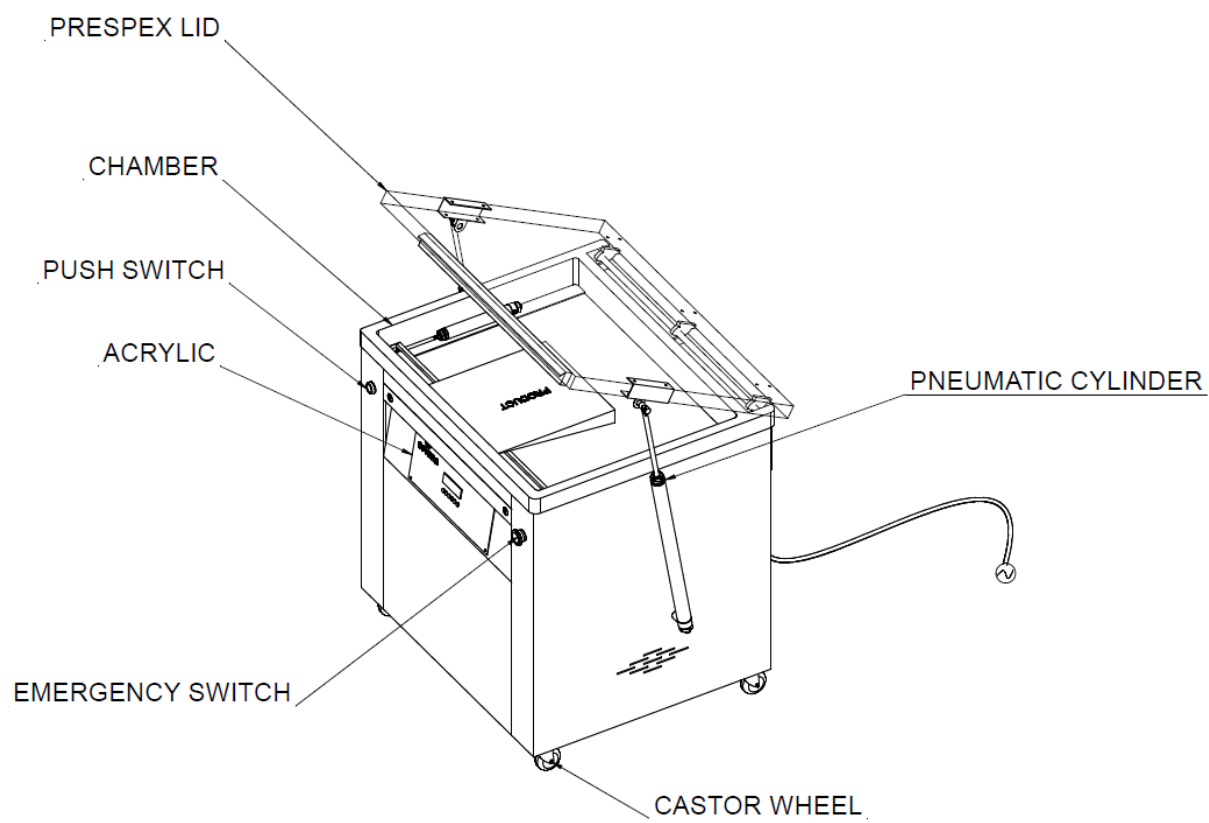
- ✧ Remove all the packaging from the chamber. Wipe with a dry cloth.
- ✧ If the machine is used continuously; drain out and replace the oil in the pump once in a month/5000 production count with new Sevol V vacuum pump oil.

❖ 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.

	Open the back cover of the machine only after isolating the power supply
	Check oil level of vacuum pump regularly

4. PRODUCT DESCRIPTION



5. PACKING SLIP

Item	Qty
User manual	1
Warranty card	1
Heating element	0.73 M
Vacuum pump oil	0.5 L
Polyurethane tube 8mm	2 M
Male connector 1/4-inch x 8mm	1
Double end spanner 27 x 32	1
Double end spanner 10 x 11	1
Screwdriver	1
Teflon tape	.66 M

6. UNPACKING

- ❖ The machine is shipped well packed in wooden box
- ❖ Place the packet with the “top” marked to the top
- ❖ Remove the 4 sides and the top cover
- ❖ The machine comes with 4 castor wheels; push the machine to the level of ground
- ❖ Remove the stretch wrapping film wrapped around the machine.
- ❖ Inspect for any transit damages. If any damages are found, notify the dealer or company immediately.

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

7. INSTALLATION

- a. Open the back door & fill the vacuum pump oil.
- b. Connect the plug to a single phase power socket .
- c. Connect the compressor air to machine
- d. Switch on the MCB & then press the power button on the front panel.
- e. Select MODE & set parameters as per product & pouch. .
- f. Shutdown process: switch off the MCB.

8. FILLING VACUUM PUMP WITH OIL

There is no vacuum pump oil in the newly delivered machine. If the vacuum pump works without oil it will damage the pump, even in a short time. Please make sure that the vacuum pump has been filled with the oil up to the mark before the start-up.

- a. Open the back cover.
- b. Loose oil filling cap.
- c. Fill the machine with Sevol V vacuum pump oil(500ml).
- d. Close the cap and fix the back door.

Note: for draining the oil loosens the oil removing cap. The oil comes out through the hole and can be collect in a tray kept under the outlet.



9.MAINTENANCE

CAUTION : Remove mains cord before maintenance



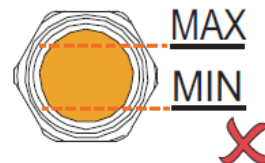
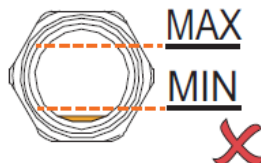
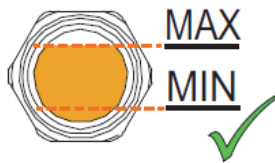
Clean the machine daily after usage.



Clean element & element bed to remove any adhesive deposited on it.



Check the Oil level every week.



Change oil every 5000-cycle count or every 2 months depending upon the production. if the product is moisture based. (Like Paneer, fish, meat etc.) replace oil every 1 month.

Note: Use vacuum pump grade oil. Common automotive lubricants must not be used. We recommend using SEVANA vacuum pump oil.



An "Oil change" message will be displayed upon the completion of every 5000 operation cycles. Drain out the existing oil and pour in new oil as per instructions. Then press the SET, UP and DOWN buttons together to reset the Oil alarm.

Regularly inspect the gasket, teflon cloth and teflon tape. Replace these depending on the condition.



10. PROGRAM MODES

Sevana's micro-processor based vacuum machine has 4 preset modes or programs. Each program can be set with different parameters. Variable parameters in each mode are

PARAMETER	RANGE
Primary vacuum	0-760mm Hg(Vacuum level in the chamber)
Secondary vacuum	0-9
Sealing time	0.0 - 8.0 sec(Depending on the pouch material)
Cooling time	1 - 9 sec
Product pull	0-8 sec
Product press	0-9 sec
Press delay	0-9
Fresh air	0-9
Vibrate mode	ON/OFF
Heater ON	ON/OFF
Vacuum error	ON/OFF

- Vacuum levels represents in millimetre mercury up to vacuum has to be achieved (-760mmHg absolute vacuum, 0 is normal atmospheric pressure).

■ VIBRATION MODE:

Set the secondary vacuum, product pull, product press & press delay to the desired value. Also turn ON the vibrator mode.

USING ONLY VACUUM:

If only a vacuum is required, select any MODE by pressing the "MODE" button. Set the parameters,

MODE: 1
PRIMARY VACUUM: 760mmHg

MODE: 1
VIBRATE MODE: OFF

TO PRESET PROGRAM MODES:

Select the mode by pressing "MODE" button. To set the parameters press "SET" button.

MODE: 1
PRIMARY VACUUM: 760mmHg

To change the vacuum press the “UP” or “DOWN” button continuously till the required value is displayed.

To select the next parameter and save the preset value press SET again

MODE: 1 SECONDARY VACUUM: 3 SEC	MODE: 1 SEALING: 1.1 SEC
MODE: 1 COOLING: 4 SEC	MODE: 4 PRODUCT PULL : 4 SEC
MODE: 4 PRODUCT PRESS : 2 SEC	MODE: 4 PRESS DELAY : 2 SEC
MODE: 4 FRESH AIR : 0 SEC	MODE: 4 VIBRATE MODE : ON
MODE: 4 HEATER : ON	MODE: 4 VACUUM ERROR: OFF

If again presses SET, machine will go to READY MODE.

11.STARTING THE MACHINE

CONTROL BUTTONS:

- ❖ Power
- ❖ Mode
- ❖ Up
- ❖ Stop/Reset
- ❖ Set
- ❖ Down

A LCD check function is done first. Version of the software is displayed.

INITIALIZING.....	SEVANA QS VAC 7.00
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The machine will automatically go to the previously used mode after initializing.

MODE: 1 READY MODE

Now press the push button, the lid will automatically close, then the vacuum increases up to the preset level.

MODE: 1 VACUUM: 0000mmHg
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When the preset level pressure value reached, sealing will be ON. After cooling ON

MODE: 1 SEALING: - ON

MODE: 1 COOLING: - ON

Then the product pull to the center of the chamber. Then starting the secondary vacuum and vibration.

Finally the lid will open automatically.

After that the lid open automatically and the display changes to “ready mode”.

MODE: 1 READY MODE

TO RESTART THE MACHINE:

Press the “STOP” button for 1 second.

12. OPERATION

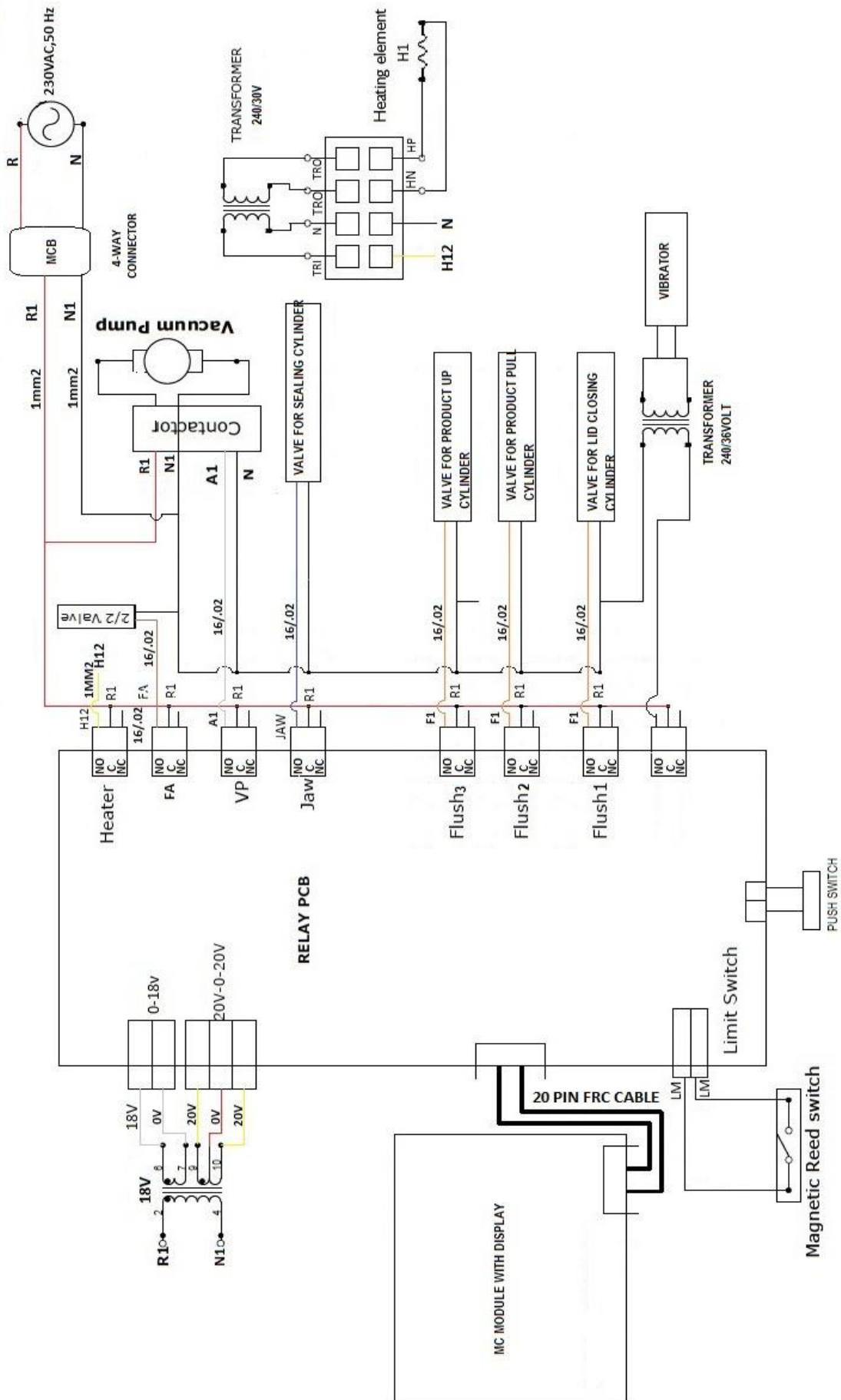
- ❖ Switch on the supply
- ❖ Adjust the vacuum and other parameters
- ❖ Select the required mode
- ❖ Keep the product having filled in a barrier/high barrier film pouch, in such a way that the mouth part of the pouch is on the sealing head, leaving sufficient margin. (High barrier film does not allow entry of air or exit of air from the pouch once sealed).
- ❖ Press push button, the vacuum pump starts automatically evacuating the whole chamber till the set pressure is reached
- ❖ The sealing jaw is actuated and seals the pouch
- ❖ After sealing, the pouch is automatically placed in the center of the chamber and the machine starts secondary vacuum for bulging the pouch. Also the chamber gets vibrating.
- ❖ Then the pouch will press on the lid to acquire the desired shape, followed by release.
- ❖ After that fresh air is let into the chamber, and when the inside and outside pressures are equal, the lid opens by pneumatic cylinders. All operations will be displayed on the display when they take place.

- ❖ During the air intake into the chamber, one could see the pouch getting shrunk, due to higher atmospheric pressure outside and inside the pouch. In wet products this shrinking will be seen initially but will disappear later due to evaporation of liquid inside the pouch.
- ❖ Now the machine is ready for the next cycle.

13. TECHNICAL SPECIFICATIONS

Model	QS650VSVBR
Chamber dimensions(LxWxH)(mm)	740x660x80
Seal dimensions(LxW)(mm)	650x10
Machine dimensions(LxWxH)(mm)	865x695x930
Power supply(1P)	240V/50Hz
Power	2.5 KW

14.ELECTRICAL SCHEMATIC



15. SERVICE LOG

[illegible]