

AN ISO 9001:2015 CERTIFIED COMPANY

USER MANUAL

Liquid Filling Machine

QF1HS



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 the 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.

❖ 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. PACKING SLIP

Item	Qty
Machine	1
Tool Kit	1
User Manual	1
Warranty Card	1

5. TECHNICAL SPECIFICATIONS

Model	QF1HS
Machine dimension(L x W x H)	320X330X360 mm
Voltage/Frequency, Power	240V/50Hz, 30 Watt
Min Filling L Range	10ml
Variation Approx.	3% of Set Volume at 100 Speeds

6. 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 carton box.
- ❖ Place the carton box with the “TOP” Marked to the top.
- ❖ Remove all packing materials.

7. MAINTENANCE

CAUTION : Remove mains cord before maintenance



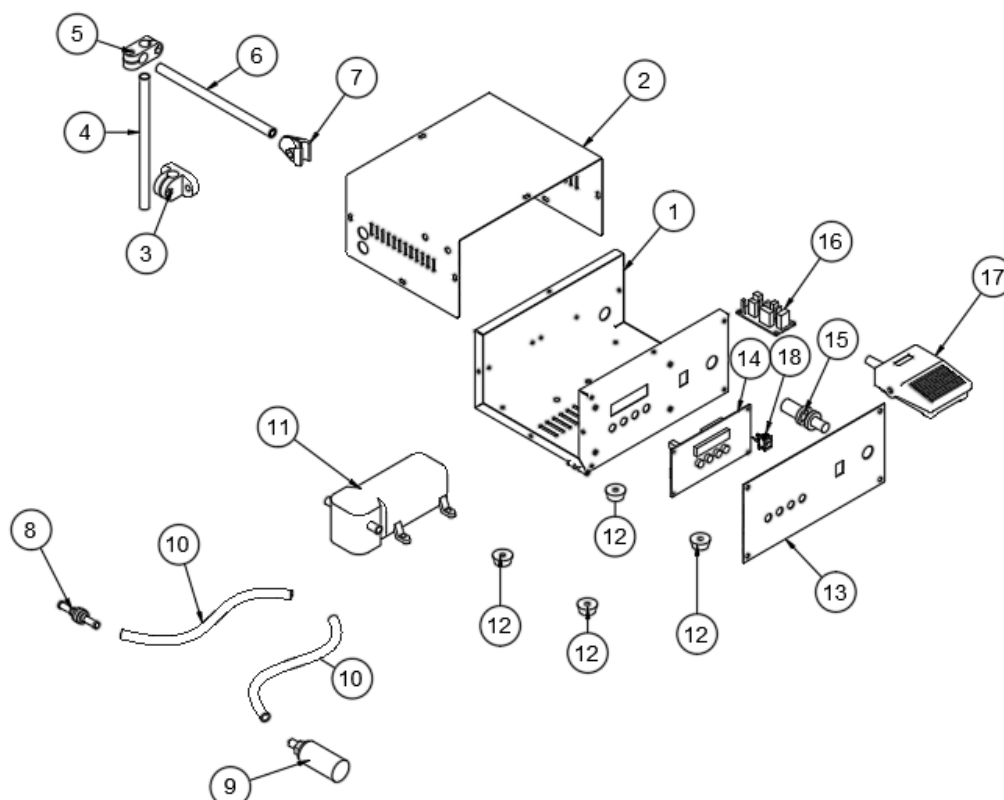
Clean the tubes daily after usage via cooling mode.



Clean the filter every day

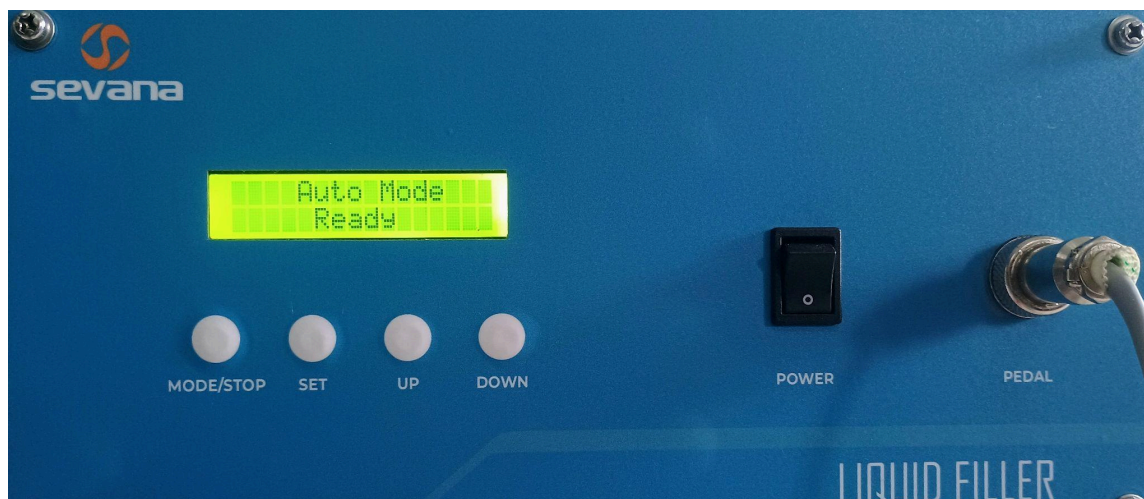


8. LIST OF PARTS



No	Description	Item no
1	BASE QF1HSV3 SS	1061434
2	BASE COVER QF1HSV3 SS	1061435
3	FLANGED CONNECTING CLAMP 12MM FOR QF1HS	1061404
4	LINK X QF1HSV3 SS	1061436
5	CONNECTING CLAMP TWO WAY 12MM FOR QF1HS	1061405
6	LINK Y QF1HSV3 SS	1061437
7	GUIDE RAIL CLAMP M8 FOR QF1HS	1061423
8	ONE WAY CHECK VALVE FOR QF1HS	1061424
9	FILTER MESH NET FOR QF1HS	1061406
10	SILICON TUBE 12MM OD 6MM ID	1060451
11	DIAPHRAGM PUMP 12VDC 3.5 L/MIN 0.48MPA 2A FOR QF1HS	1061407
12	ALKATHENE BUSH - NO; I	1049048
13	PANEL BOARD QF1HSV3	1061428
14	MICROCONTROLLER SMD PCBA FOR LIQUID FILLER V1.0	1061432
15	TWO PIN PANEL MOUNT CONNECTOR MALE AND FEMALE(MINI ROUND SHELL)	1061439
16	SMPS PCBA 230 VOLT - 12 VDC/2 AMPS	1061438
17	FOOT SWITCH (NO)-FS-2/10A 22/380VAC	1022009
18	ROCKER SWITCH BLACK 4A/250VAC RS2	1023200

9. CONTROL PANEL



- ❖ Power Switch
- ❖ LCD display
- ❖ Control buttons
- ❖ Pedal

10. PROGRAM MODES

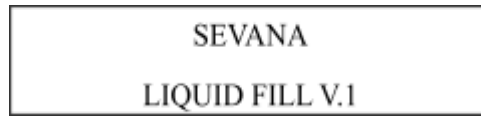
Sevana's micro-processor based Liquid filling machine has 4 modes.

Mode	Parameters
Manual	No parameters.
Semi Auto	Fill Time: 0-999.9 Sec Speed: 0-100 Count: View and reset only
Auto	Fill Time: 0-999.9 Sec Speed: 0-100 Delay Time: 99 Sec Auto stop Count:0-99999 Count: View and reset only
Cleaning	No parameters

CONTROL BUTTONS:

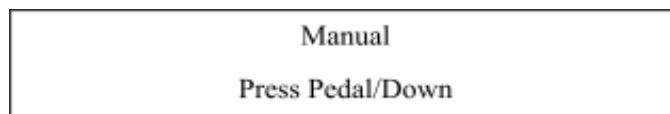
- | | |
|-------------|--------|
| ❖ Mode/Stop | ❖ Set |
| ❖ Up | ❖ Down |

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



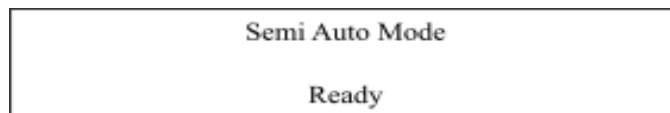
Using Manual Mode:

In this mode, press the pedal switch or down button to start filling. Release the switch to stop filling.

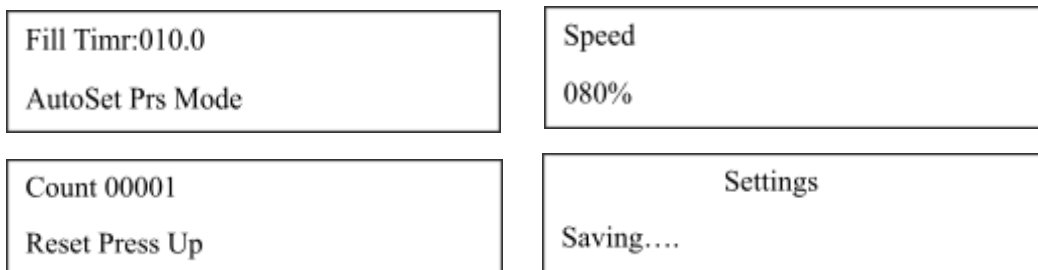


Using Semi Auto Mode:

Select the mode by pressing the “MODE” button.



To set the parameters press the “SET” button.



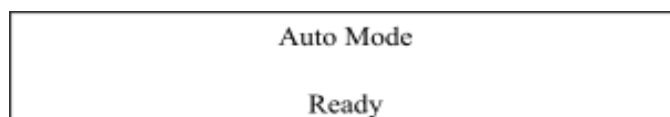
To change the parameters the “UP” or “DOWN” button continuously till the required value is displayed.

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

We can manually adjust the filling time by pressing the UP and DOWN buttons. Alternatively, we can automatically determine the filling time by pressing the MODE button. The filling will start, and the timing will begin from zero. Once the required quantity is filled, press the MODE button again. At this point, the required time will automatically be saved as the filling time. Speed is used to vary the material flow. We can see the production count in the count section. To reset the count, press the UP button.

Using Auto Mode:

Select the mode by pressing the “MODE” button.



To set the parameters press the “SET” button.

Fill Timr:010.0 AutoSet Prs Mode	Speed 080%
Delay Time 05 Sec	Auto Stop Count 00000
Count 00001 Reset Press Up	Settings Saving....

To change the parameters 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.

We can manually adjust the filling time by pressing the UP and DOWN buttons. Alternatively, we can automatically determine the filling time by pressing the MODE button. The filling will start, and the timing will begin from zero. Once the required quantity is filled, press the MODE button again. At this point, the required time will automatically be saved as the filling time.

Speed is used to vary the material flow.

Delay time is Interval time between the first automatic filling and the next filling.

Auto stop count is used to halt the automatic process after reaching the required count. For example, if we set the auto stop count to 10, the automatic mode will stop after filling 10 units. We can see the production count in the count section. To reset the count, press the UP button.

Using Cleaning Mode:

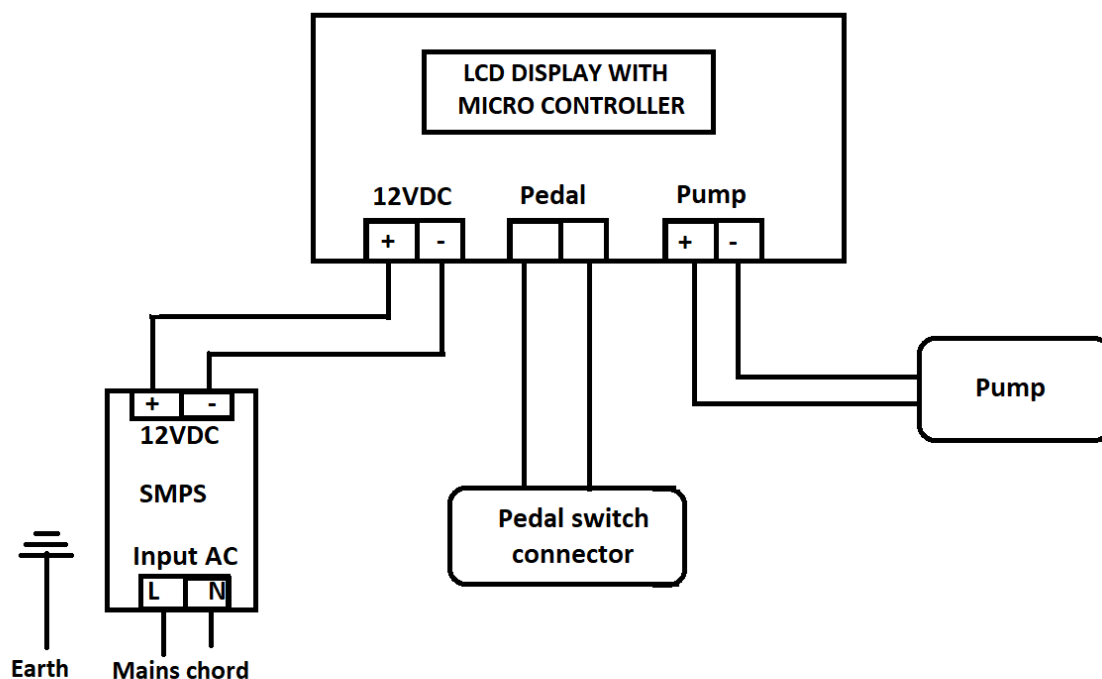
Select the mode by pressing the “MODE” button. The cleaning mode is used only for cleaning the tubes after production. The customer needs to use 3 liters of soap water, hot water (up to 60 degrees Celsius), or normal water. Alternatively, the customer can use each type of water separately for cleaning in three cycles. After pressing the pedal or the "Down" button, the pump will start working. It will automatically turn off after 36 seconds. Then you can use another type of water for cleaning.

Cleaning Mode Press Pedal/Down

11. OPERATION

- ❖ Connect the pedal switch
- ❖ Switch on the power button
- ❖ Select the required mode
- ❖ Adjust the required parameters
- ❖ Press the pedal switch or Down button for starting the filling.
- ❖ To stop the function, press the Mode button while it is operating

12.ELECTRICAL SCHEMATIC



13.TROUBLESHOOTING

No.	Complaint	Reasons	Remedy
1	Machine not turn ON	1,Input supply not there 2,Mains chord Damage 3,SMPS pcb Damage	1, Restore the supply 2, Replace it 3, Replace it
2	Pump Not working	1, Pump Damage 2, MCPCB damage	1, Replace it 2, Replace it
3	Filling have high variation	1, Tube and pump not clean 2, Smps damage 3, Tube have bend	1, Cleaned the pump and tube 2, Replace it 3, Correct the routing
4	Pedal not working	1, Pedal switch complaint	1, Replace it

14. SERVICE LOG

[illegible]