

Warranty Card			
Customer Information			
Name:		Tel:	
Address:			
Product Information			
Model No.:	VS01	Serial No.:	
Distributor:			
Distributor Tel:		Purchase Date:	
Distributor Address:			



**Oil-Free Vacuum Pump  
Manual**

**Model NO. : VS01**

## Contents

1.	Packaging Content . . . . .	0 2
2.	Introduction . . . . .	0 2
3.	Characteristics . . . . .	0 2
4.	International Safety Certificates . . . . .	0 3
5.	Product Specifications . . . . .	0 3
6.	Precautions . . . . .	0 3
7.	Unpacking . . . . .	0 4
8.	Operating Procedure . . . . .	0 4
9.	Product Diagram . . . . .	0 5
10.	Troubleshooting . . . . .	0 5
11.	Warranty . . . . .	0 5

### 1. Packaging

- **Vacuum Pump**                    **1 set**  
Voltage    □ 110V/60HZ      □ 220V/50HZ
- **Manual**                                **1 copy**

### 2. Introduction

Thank you for your order. Please follow the manual to operate.

### 3. Characteristics

- Chemical resistant design (except to strong organic solvents)
- Shock absorbing motor – low operating noise
- Durable and oil free
- No air pollution and maintenance free
- Built in overheat protection.

#### 4. International Safety Certificates

- UL Safety Recognition
- CE certification
- CSA Safety Recognition

#### 5. Product Specifications

Model No.	<b>VS01</b>	
Voltage/Frequency	110V/60Hz	220V/50Hz
Power (W)	70	
Max Vacuum (mmHg)	650	
Max Flow Rate (L/min)	22	18
Horsepower(HP)	1/8	
Noise level (dB)	58	
Net Weight (kg)	4	
Dimension (L x W x H)	20 x 15 x 19 cm	

PS: 1 mmHg  $\doteq$  0.1333kPa  $\doteq$  1.333 mbar

#### 6. Precautions

Please read this manual carefully before installing or operating this equipment. The instrument should not be modified in any way. Any modification will void the warranty and may pose a safety hazard. We are not responsible for any injury or damage caused by any non-intended purposes and modifying the instrument without authorization.

A. Check the voltage specified on the name-plate and ensure it matches the line voltage in your location.

B. The pump is not completely corrosion-proof. Please do not operate it with corrosive gases directly.

C. Install the instrument in a clean, dust-free, and well-ventilated area under 40°C.

D. Finetech air filters can prevent large amounts of liquid from flowing into the pump. If needed, please contact the supplier.

If the liquid comes into the pump, please stop using and contact the distributor immediately for service.

E. To avoid damaging the pump easily, please vent the pump before starting the pump.

F. This pump has a thermal protection device that automatically shuts off the pump when it becomes overheated. Keep pump upright during operation.

G. The temperature on the surface of the pump is very high after or during use. Please don't touch the surface to avoid being burned.

- H. Do not use any lubricants because it may damage the pump.
- I. Never spray flammable or toxic materials near the pump.
- J. If the supply cord is damaged, please contact the manufacturer or your service agent for replacement to avoid danger.

### 7. Unpacking

When unpacking, notice if the pump is in good condition. If not, please contact your distributor.

### 8. Operating procedure

- A. Press the on/off ① switch to activate the pump after making sure all tubing are well connected.
- B. To set the vacuum strength, adjust the pressure regulator ③.

*\*Warning: When pump is used for water filtration, please ensure the liquid level of the flask does not exceed the safety level. Failure to comply could result in serious damage to the pump and will void the warranty. If it occurs, please contact the distributor immediately for service.*

### 9. Product Diagram

#### **Product Specification :**



<b>1</b>	Power	<b>4</b>	Pressure gauge
<b>2</b>	Intake port	<b>5</b>	Handle
<b>3</b>	Pressure Regulators	<b>6</b>	Temperature control device

10. Troubleshooting 

Problem	Remedy
Vacuum Pump cannot turn on	<b>Check for correct voltage.</b>
	<b>Check if the fuse is blown. Replace with new fuse.</b>
	<b>Check the system if it is in a vacuum state. Release the pressure and re-activate.</b>
	<b>Malfunction of power switch button or internal connectors are loose. Contact your distributor for services.</b>
Cannot adjust vacuum strength	<b>Malfunction of vacuum valve. Change vacuum valve.</b>
	<b>Malfunction of pressure regulator Replace the pressure regulator knob.</b>
Flow rate too slow	<b>Adjust vacuum degree to suitable strength. Confirm all tubes and connectors are sealed well and contains no break.</b>

11. Warranty

1. Warranty period: 1 year from the purchase date
2. Conditions: We provide repair service free of charge, but such service will be limited to normal use only. Any damage caused by misuse by users shall not be covered by the warranty here from Finetech.

**Contact Information :**

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