



ZEPHYRUS® Vacuum Pump

Instructions for Use

Ref. No.: ZVP-300





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Warnings

Read this manual in its entirety before operating the **ZEPHYRUS® Vacuum Pump** and keep the manual for future reference.

Important Notice

This instrument is designed for laboratory use only. Please read this manual carefully before installing and operating. The instrument shall not be modified in any way. Any modification will void the warranty and may result in potential hazard. We are not responsible for any injury or damage caused by any non-intended purposes and modifying the instrument without authorization.

1. Check the voltage specified on the tag-plate and ensure it matches the line voltage in your location.
2. The pump is not corrosion-proof. Please do not operate it with direct exposure to corrosive gases.
3. Install the instrument in a clean, dust-free and ventilated area under 40°C.
4. The filter cartridge can prevent a large amount of liquid from overflowing into the pump. Please ensure the liquid level of flask does not exceed the safety level. Failure to comply can result in serious damage to the pump and void the warranty. If this occurs, please contact your distributor for immediate service.
5. The filter cartridge is used to absorb moisture and dust. Please replace the cartridge when it is saturated to maintain proper pumping efficiency.
6. To avoid damaging the pump, please vent the pump before starting the pump.
7. This pump has a thermal protection device that automatically shuts-off when it becomes overheated.
8. The temperature of the surface of pump is very high after use or during work; please don't touch it to avoid being burnt.
9. Do not use any lubricants, which may damage the pump.
10. Never spray flammable or toxic materials.
11. If the power supply cord is damaged, please contact the manufacturer or your service agent for replacement to avoid hazard.

Unpacking

NOTE: Always handle the **ZEPHYRUS® Vacuum Pump** and parts with care.

Carefully remove the system and all accessories from the carton box and remove any protective pieces. Check for any shipping damage and take pictures if necessary. In the event of shipping damage, your claim must be filed with the carrier. Check the contents of the package to make sure you have received all the parts ordered.



Main Part Diagram



Position	Designation
1	On/Off switch
2	Muffler (Air outlet)
3	Air Inlet
4	Vacuum Gauge
5	Filter cartridge
6	Moisture trap
7	Drain valve (Regulator)

Operation

Operating procedure

1. Press on/off ① button to activate the pump after making sure all tubing are well connected.
2. To setup desired vacuum level adjust by using the regulator ⑦.

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

Maintenance

How to replace the cartridge

1. Please replace the cartridge when it is saturated with moisture or particle.
2. Remove the moisture trap ⑥ by rotating it counterclockwise.
3. Replace the cartridge by the same way.



Ordering information

ZEPHYRUS® Vacuum Pump is intended to be sold as a part of whole Vacuum Manifold System.

ZVPMS-300	ZEPHYRUS® Vacuum Pump Manifold System
ZVP-300	ZEPHYRUS® Vacuum Pump
ZVM-300	ZEPHYRUS® Vacuum Manifold UNI
ZVP-300-1	Moisture Trap / Vacuum Regulator
ZVP-300-2	Filter Cartridge
ZVP-300-3	Muffler (Air outlet)
ZVP-300-4	Repair kit for ZVP-300

Manufacturer

ELISABETH PHARMACON Ltd.

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Warranty

The ZEPHYRUS® Vacuum Pump is warranted against defects in materials, workmanship, and normal use for 1 year. If any defects occur in the instrument or accessories during this warranty period, Elisabeth Pharmacon Ltd. will repair/replace the defective parts/replace the instrument at its discretion without charge. Warranty is excluded in the case of following:

- unauthorized repair
- use of spare parts by anyone other than Elisabeth Pharmacon Ltd.
- used in the manner not described in this manual
- damage caused by accident, neglect, misuse, improper service, natural forces, or other causes not arising from defects in original material or workmanship



Warranty Certificate

We guarantee the perfect functioning of this instrument against defects in material, design and workmanship, when use under appropriate conditions and in accordance with the instruction manual for a period of **ONE YEAR** from the date of initial shipment. This warranty covers all parts and components of the instrument except those normally requiring frequent replacement, such as tubing, gasket, rings, etc. We will not be liable for any personal injury, bodily injury, misuse, improper maintenance, negligence or accident.

Cat. No :	Model :
Serial No :	
Purchase Date : / /	Name :
E-mail :	Telephone :
Address :	

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Distributor