

CREATIVECHEF®

◆ From Spain ◆

Vacuum Packaging Machine Use and Maintenance Manual

VP-300/VP-400





Thank you for purchasing the VP300/VP400 Vacuum Packaging Unit. With its strong performance and high quality, it can bring you a lot of convenience into your life. In order to make it provide an excellent working function and make sure it work smoothly, please read this manual carefully first before operation.

Notice:

- Before using this machine, please read this manual carefully and fully understand it.
- Please make sure the operator or supervisor of this product knows well of the essential points of this manual.
- After finish the reading, please put it on some places where users can get it conveniently for easy checking.
- If any questions, please contact the supplier in time.

Responsibilities:

- This manual is well edited by supplier. If any serious consequence happens that was caused by wrong operation by user who was not correctly referring to this manual, supplier will not take any responsibility for that.
 - Regarding of any damage or problems on machine that were caused by not applied with correct-provided spare parts, supplier will refuse to take any responsibility for that.
 - Supplier reserves the rights of revising the parameter or spare parts of this product without notice.
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**Key Words**

This product is produced according to the latest technical and safety standard. If any wrong operation, it probably causes danger or harm to users or other people nearby. Please take notice for the explanations of the key words “DANGER” , “WARNING” , “CAUTION” as below.

	<p>DANGER! Ignore this safety notice may cause huge serious harm or even fetal harm to life.</p>
	<p>WARNING! Ignore this safety notice may cause huge serious harm or even fetal harm to life.</p>
	<p>CAUTIONS! Ignore this safety notice may cause huge serious harm to life or property loss.</p>



Working Conditions

This product is designed to be used indoor under normal temperature. If the condition is very severe (for example, under the caustic atmosphere; temperature is higher than 40°C or lower than 5°C), please remember to contact the supplier about this .

During the operation, the oil in pump will be separated to the maximum extent, but it will not be separated completely.

	Be Cautious! It is harmful!
	<p>There will be residual oil in the air from the pump. Long-term inhalation of such air is harmful to health. There should be good ventilation condition in the room using this machine.</p>

If the machine is use for food industry, please select some special oil which is safety to food.



Transportation & Store

Wooden Case Packing

If lifting device is applied during the installation of machine, please pay attention on the center-of-gravity position of the machine.

- Please make sure the string could be attached on machine reliably and safely.
- Please hang over the spreader on the hanger which is with the safety lock.
- Please use the crane to proceed the lifting.

		<p>Be Cautious!</p> <p>Please do not walk by, stay or work under the lift-up object.</p>
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Before move or transit the machine, please eliminate all the oil from the pump.

	<p>Be Cautious! Damage Machine.</p>
	<p>Tipping over the machine whose pump is full of oil will make the oil enter into the chamber of pump. When start the pump, if there is too much oil in its chamber, it will damage the pump. When the pump is filled with oil, please do not transit it any more.</p>



Store the machine in short time

- Turn off the machine, unplug it the power plug, and put away the power cord.
- Close the lid and lock it via lid lock.
- If possible, please cover it with plastic bag to avoid anti dust.
- Please keep the machine in a dry, dust-free and shockproof environment.

Store the machine in long time

Machine inside is already processed through anticorrosive treatment in factory, it is not necessary to use protective oil again. However, if the storage condition is severe (for example, under the caustic atmosphere; temperature is very high or frequently changing), then it is necessary to use oil again to keep the machine in good condition.

- Turn off the machine, unplug the power plug, and put away the power cord.
- Close the lid and lock it via lid lock.
- Please cover it with plastic bag to avoid anti dust.
- If possible, please keep the original package.
- If moving or transiting is needed, please make sure all the oil in pump is eliminated.
- Please keep the machine in a dry, dust-free and shockproof environment

Installation

	<p>Be Cautious! Damage the machine.</p>
	<p>If below necessary conditions could not be met during the installation, it will cause the machine damage.</p> <p>Be careful to get hurt.</p> <p>Please must follow with below necessary conditions to install the machine.</p>



Please make sure the installing environment conform the safety regulations.

- No flammable or explosive gas surrounding.
- Suitable temperature range: 5-40°C. If installation is need proceeding in environment out of this range, please contact the supplier.
- Ambient pressure: standard atmospheric pressure.
- Make sure the power supply conform the standard.
- Keep the machine at an upright position when move or transit it as tip it over will damage the pump.
- Keep the machine in a horizontal place when use it.



Maintain a distance of 10 cm between the unit and walls or other objects for ventilation. Keep the machine away from the heat source or steaming device (such as steaming pot, dish washing machine or stove)

- Make sure there is enough spare to change the oil and change the easy-damaged parts.

Filling oil and draining oil

	<p>Be Cautious! Damage the Machine.</p>
	<p>No oil is in a new machine. Pump will be damaged if it is running without oil. Before start the machine, please ensure the pump is full of oil. Filling the oil from other positions of pump may damage the pump. Ensure through the oil port to fill the oil into the pump. It will be harmful to human health with long-term effects of inhaling the gas (that might be containing residual oil) which is expelling from pump during the operation. Please make sure that using the machine is in a good condition of ventilation.</p>



		<p>When the pump is working, the pump chamber inside will be full of oil mist where is in high temperature and high pressure. If the oil-filling port is open, it might be hurt by the hot oil mist. Only when the pump stops working, the oil plug could be open. When the pump is working, the oil plug must be screwed tight.</p>
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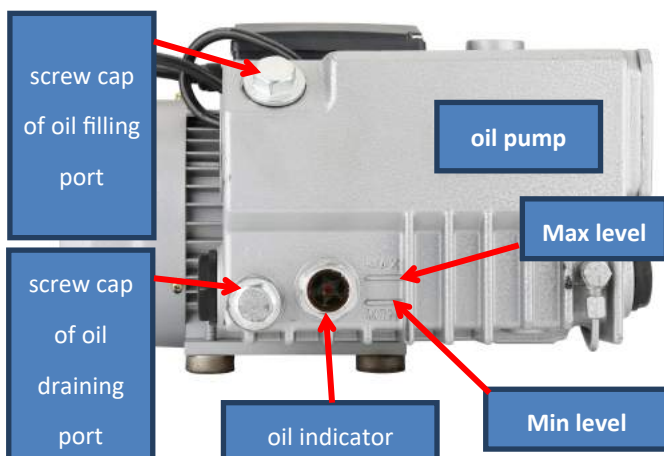
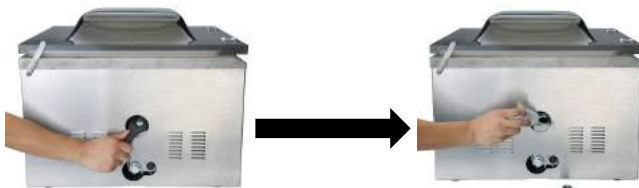
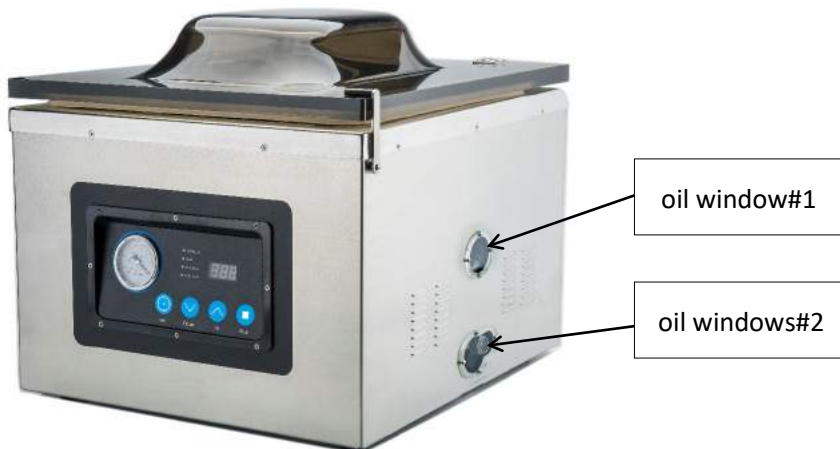
Filling oil

- Use the screw driver to open the oil window #1
- Use the spanner to open the screw cap of oil filling port
- Fill the oil to pump via the oil bottle until the oil in pump stays at 1/2~3/4 position (between MIN and MAX that displays from oil indicator)
- Screw tightly the cap and reinstall the cover of oil window#1

Draining oil

- Use the screw driver to open the oil window#2.
- Prepare a container and put it under the oil draining port directly
- Use the spanner (which is offered by supplier) to twist off the screw cap, then the oil starts draining.
- After all the oil is drained, screw tight the cap and reinstall the cover of oil window#2.

Safety Notice





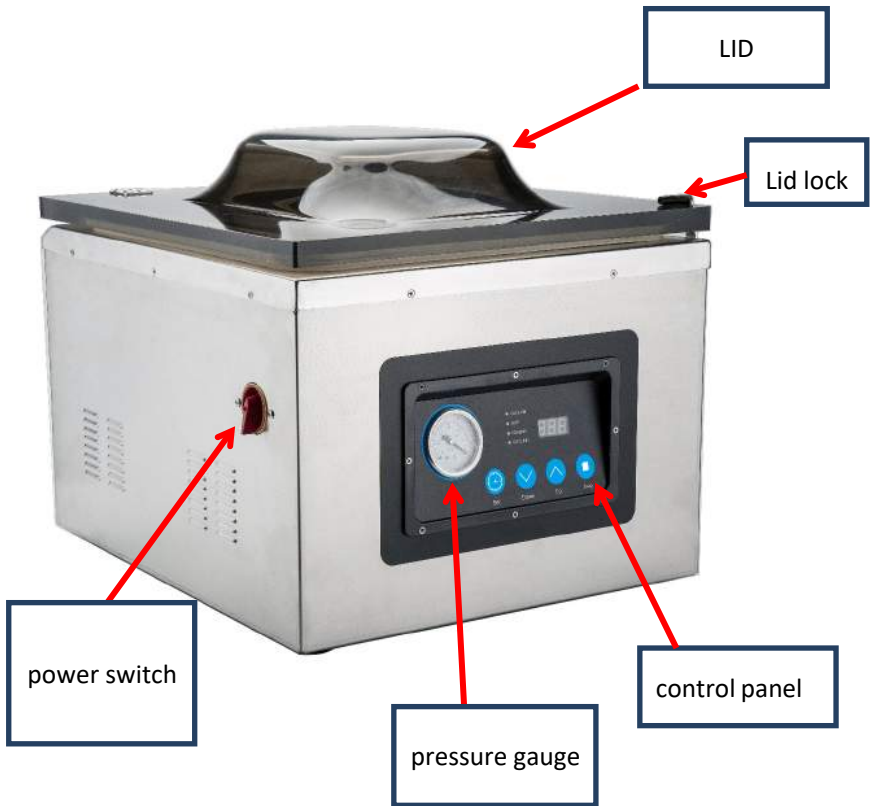
Gas Inflation System (If Any)

		<p>Warning! Explosion!</p>
		<p>It is not allowed that using the explosive gas or any mix gas which contains 20% (or above) oxygen, otherwise, it will cause explosion.</p>
	<p>Be cautious! Damage the machine!</p>	
		<p>The pressure of gas source must not be higher than atmospheric pressure.</p>

- Please not use any explosive gas or any mix gas which contains lots of oxygen, otherwise it will cause explosion. If any damage or accident was caused due to user operate the machine not referring to this guideline, supplier will not take any responsibility.
- Gas bottle must be closed well. If the gas inflation will not be applied or the machine will not be used, the switch of gas bottle must be closed well.
- The setting of pressure valve on gas bottle must not be higher than 0.1Mpa, otherwise it will damage the machine.
- The diameter of gas-filled tube connector is 8mm. This connector will be at the side of machine or at the back of machine.

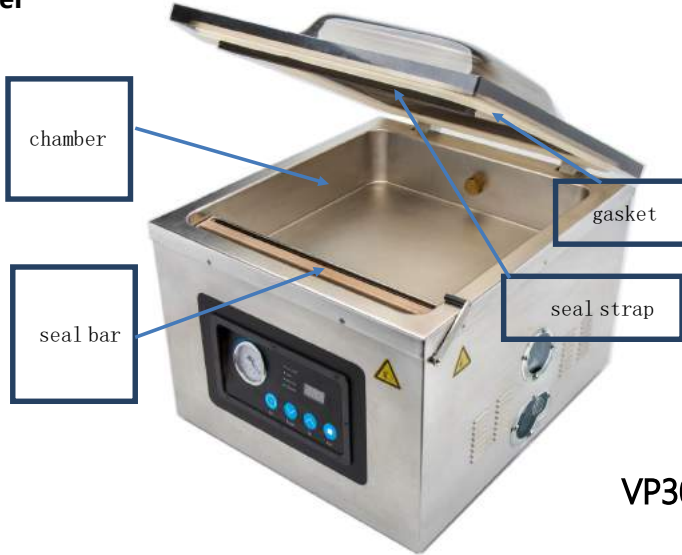


Machine





Chamber



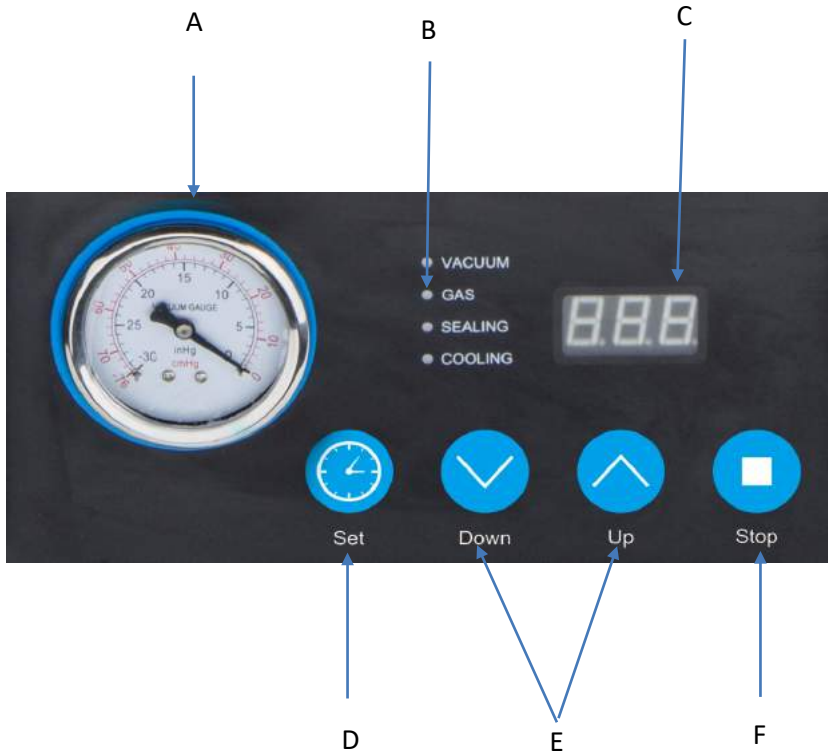
VP300



VP400



Control panel



A. pressure gauge

Showing the vacuum pressure of chamber

B . Indicate light

(1) light being on indicates that the relative working mode is ready to be set.

(2) light being flashing indicates that the machine is working under the relative working mode.



C. LED Display

- (1) OFF—standby status; ON/CLO—ready status
- (2) When the working mode is ready to set, the digital display will show the time of setting.
- (3) When the machine is working, the digital display will show the rest time of setting.

D. Setting button

Press Setting Button to switch the working modes, press “v” and “^” to set the time of each mode.

E. Time setting button

Press “v” and “^” button to set the time of each mode.

F. Stop button

Press Stop button to stop the machine working.

Technical Parameter.

type	VP-300	VP-400
Voltage	220-240Vac 50Hz	
Power	1.1KW	
Pump	Oil pump	
Vacuum oil	-29.9”Hg / -1012mbar (+0-3%) -directly in pump -29.8”Hg/ -1009mbar(±3%) - in vacuum chamber	
Net weight	≈60KG	≈60 KG
Seal wire width	3.5 mm X 2	3.5 mm x 2 + 3.5mm x 2
Seal bar	410mm	432mm x 2
Max bag width	410mm	432mm
Size	567x495x472mm	567x505x472mm



1. Select the proper size vacuum pouch. Allow a minimum of 1" to 2" of extra headspace at the top of the pouch to ensure quality, air-tight seal
2. Let the machine plug into a safety grounding socket, turn the Power Switch to ON step and the machine displays CLO.
3. Open the lid, then the machine will display ON, and it will stay at the READY status. Put the vacuum pouch into the chamber and make sure the bag opening is across the seal wire and well fixed.
4. Press the Setting button and the v and ^ button to set the time of each mode. Timing range of vacuum: 0-90s; Timing range of gas inflation: 0-10s; Timing range of sealing: 0-6s; Timing range of cooling 0-10s. When finish all the settings, press the Setting button again, the machine will be back to the ready mode and shows ON. (If one setting is adjusted the time to 0, it means that this process will be removed during operation. The VP300/vp400 model does not offer the gas inflation option, press Setting button to leave it at 0 seconds.)
5. Close the lid, then the machine starts working. The indicate light of the working process will be on accordingly, and the machine will show the rest time of that working mode.
6. After the operation finishes, the lid will release automatically, and the machine will give out a beep sound.
7. Take out the pouch and go on with next process that you want.
(Vacuum package can only slow the process of food spoilage, but it cannot stop food spoilage. With vacuum package, the food still needs to be freezing in fridge.)

8. Restore Factory Defaults

Let the machine power on. When the machine shows OFF, press SET button and " ^ " button at the same time for 3s. When the machine gives out a beep sound and shows rS, then it is successful to restore factory defaults.



In order to prolong the service life of machine, avoid any quality failure and meet the best packing performance, maintenance is a must to the machine. If the machine is used frequently (working more than 4hours per day), then it is suggested being implemented with a professional maintenance every six months. If it is used less than 4 hours per day, then it is ok to be implemented a completed maintenance every year (it depends on the working condition and product self condition).

- Before maintaining, please unplug the power cord of machine from socket.
- If the machine doesn' t work normally and give out some strange noise, please turn it off and contact the supplier.
- Don' t use the detergent (containing solvent) to clean the machine. At least check the lid if broken or not per week. If the lid is broken, please stop using the machine immediately.
- Never treat the machine in high pressure cleaning, as it will severely damage the electrical parts or other parts of the machine.
- Never let any water enter the vacuum port in chamber or air outlet hole of pump, otherwise it will cause the irreparable damages on pump.
- Non-specialist could not carry on a large-scale maintenance to the machine.
- Keep the machine at an upright position when move or transit it as tipping it over will damage the pump
- The machine could work 8 hours at most per day. If users prolong the working time of machine without authorization and cause any damage or quality issue on the machine, supplier won' t take any responsibility for that.
- If user doesn' t operate the machine according to this manual and cause any damage or quality issue on machine, factory won' t take any responsibility for that.



Lid

- Never place the machine nearby the heat source in case of damaging the lid.
- Never put anything that is heat/sharp/heavy on the lid, otherwise it might damage the lid.
- Please use the solvent-free detergent to clean the lid, as the solvent might damage the lid.
- At least check if the lid is broken or not per week. If the lid is broken, please stop using the machine immediately until a new lid is replaced. Keep using a broken lid might cause the lid inside explosion. If any explosion from the lid, it will cause accident on human. For this kind of wrong operation, supplier won't take any responsibility.
- For safety, please replace the lid every 3 years.

Pump

In order to prolong the service life and make sure the correct operation, it is very important to carry on a daily maintenance to the pump. If the machine is used frequently, we suggest that at least a fully checking per year need to be implemented on pump. If any doubt or advise, please contact the supplier.

- A new machine doesn't have the oil in pump. If use a new machine at the 1st time, please fill the oil before use.
- Please check the color of oil.

The oil should be clear and bright, could not be muddy and contain bubble. When the oil is at rest, but some white stuffs in oil still doesn't disappear, it means that the oil contains some impurities. If the oil contains impurities or becomes black, the oil must need changing.

- The service life of oil

The service life of oil will depends on the working condition and an environment with clean and dry air. Normally the oil must need changing every 50 working hours or at least every 6 months.

- Please check the level and volume of oil in pump once at least per week. User can check the oil volume via oil window, if the oil level is lower than the position of 1/2 that showing from oil indicator, then it must need filling oil.



Seal Strip

Please check the seal rubber at least once per week. If the seal strip is broken or not even enough, please replace it immediately.

- The seal strip is stuck in the groove of the lid, it can be moved out directly.
- Remove the old seal strip from the groove of the lid.
- Install a new seal strip into the groove.
- After finish installation, please check if the seal strip is installed evenly or not.

Gasket

The purpose of gasket is to make the chamber under sealed condition when the machine is working. It is important for the machine to reach required vacuum pressure. Due to under different pressure, the gasket will be worn. So, it must be replaced periodically. The gasket need checking once per week at least, checking it if it is worn or broken.

- The gasket is stuck in the groove of the lid, it can be moved out directly.
- User can check the length of new gasket according to the old one, if the gasket is too long or too short, it may cause the lid cannot be closed tight or leaving some gap to cause any leakage when machine is working.
- Install a new gasket into the groove.
- Please make sure the gasket is installed evenly but not over tight. Both ends of gasket must be installed perfectly straight and evenly and compactly to avoid any leakage.

Errors and troubleshooting

Error code	Causes of warning	Troubleshooting
E01	When the machine is vacuuming for some time, the pressure switch doesn' t close.	1)Check if the lid is closed tight. 2)Check if the gate control switch system is working normally or not (like gate control switch assy, GAS1 connecting cord, micro switch, 10P data cord)
E02	machine loses power during the working	1)check the power supply. 2)check the power supply system of machine(power cord, 10P data cord).



首先感谢你购买我司全新开发的真空封口包装机VP300/VP400系列，VP300/VP400系列功能强劲，品质优良，一旦拥有将会给你带来诸多的便利，但为了VP300/VP400能最好的发挥出其优秀的产品性能，确保工作顺畅，在使用之前请仔细阅读说明书。

请注意：

- 在使用产品前，请务必认真仔细阅读本说明书，并充分理解。
- 确保最终使用本产品的操作人员或设备管理人员掌握本说明书操作要领。
- 阅读之后请妥善保管本说明书，并始终置于随手可及之处，以便查阅。
- 如有任何问题，请及时与我司联系。

责任：

- 此说明书为精心编辑，对于其中的任何操作错误或理解错误造成的后果，我司不承担任何责任。
 - 对于没有采用规定配件而造成的任何损坏或问题，我司不承担任何责任。
 - 我司有保留修改参数或配件的权利，并不另行通知。
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关键词

本产品按照最新的技术和安全标准制造，如果使用不当，可能会出现危险或造成伤害，安全注意事项用关键词“危险”、“警告”、“小心”注释。

	<p>危险! 忽视此安全注意事项将会导致严重乃至致命的伤害</p>
	<p>警告! 忽视此安全注意事项将会导致严重乃至致命的伤害</p>
	<p>小心! 忽视此安全注意事项将会导致人身受伤或财产损失</p>



使用环境

本产品的设计是在室内常温环境下运行的，如果环境条件恶劣（如周围大气具有腐蚀性、环境温度高于40°C或低于5°C），请记得与我司联系。

本产品在运行时，真空泵油能在最大程度上分离，但不能完全被分离。

	<p>小心！有害健康！</p>
	<p>真空泵排除的气体中存有残油。</p> <p>长期吸入气体有害健康。</p> <p>使用本产品的房间必须具有良好的通风条件。</p>

如果机器使用于食品领域，请选择适用于食品领域的真空泵专用油。



搬运与储藏

木箱包装

如果机器在安装的过程中用到起吊装置，请注意机器重心的位置。

- 请确保吊绳安全可靠的系在机器上。
- 将吊具挂在具有安全锁具的吊钩上
- 用起重机起吊。

		<p>小心!</p> <p>请勿在吊装物下走动、停留、工作。</p>
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机器在搬运前，请确保排尽真空泵内的油。

	<p>小心！损坏机器！</p>
	<p>倾斜注满油的真空泵会导致大量的油进入泵腔内 启动真空泵时，若泵腔内有过量的油，可能会损坏真空泵 真空泵在注油后，不能再搬运</p>



短时间储藏

- 关闭电源开关，拔掉电源，收起电源线。
- 合上真空室盖并用挂钩固定。
- 如果有可能，套上塑料袋防尘。
- 储藏于干燥、无尘、防震的室内。

长时间储藏

机器在出厂时，内部都已经做了防腐蚀处理，无需再用防护油进行处理。如果储藏条件恶劣（如大气环境具有腐蚀性、温度过高或温度频繁变化）。可用防护油处理。

- 关闭电源开关，拔掉电源，收起电源线。
- 合上真空室盖并用挂钩固定。
- 套上塑料袋防尘。
- 如果有可能，保持原包装。
- 如果需要搬运，必须先排尽真空泵油。
- 储藏于干燥、无尘、防震的室内。

安装

	<p>小心！损坏机器！</p>
	<p>如果不符合机器安装的必备条件，将会损坏机器。</p> <p>小心受伤！</p> <p>请务必遵守机器安装必备条件。</p>



请确保组装环境符合基本安全条例规定

- 周围环境不得有易燃、易爆气体。
- 环境温度：5-40°C，如需要在其他环境下操作机器，请先与厂家联系。
- 环境压力：标准大气压。
- 确保电源环境符合要求。
- 机器移动或运输时必须保持直立状态，倾斜机器可能会损坏真空泵。
- 机器运行时必须保持水平。
- 为保证散热，机器周围必须留有足够空间可以进行良好通风，最少10cm的间距。
- 切勿将机器直接暴露在热源或蒸汽装置附近（如：蒸锅、洗碗机或火炉）
- 确保有足够的空间可以更换真空泵油或更换易损件。

加油与排油

	<h3>小心！损坏机器！</h3>
	<p>新交付机器内不含有真空泵油。</p> <p>真空泵无油运转在短时间即会损坏真空泵！</p> <p>机器启动前，必需确定真空泵已注满油。</p> <p>从真空泵其他位置注入真空泵油可能会损坏真空泵。</p> <p>真空泵油只应从加油孔注入。</p> <p>真空泵排除的气体中存有残油，长期吸入有害健康。</p> <p>使用本产品的房间必需具有良好的通风条件。</p>



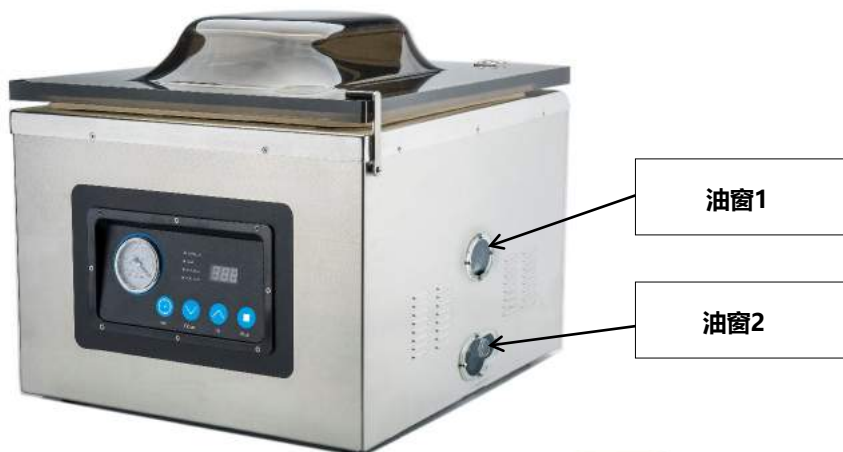
		<p>真空泵工作时，油箱内充满高温高压油雾。 如加油孔敞开，有被热油雾烫伤的危险！ 只有停止真空泵运行，才可以旋下加油塞。 真空泵运行时，必须拧紧加油塞。</p>
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加油

- 用螺丝批拆下机器侧面的油窗1。
- 用随机配送的扳手拆下油泵注油口的螺帽。
- 用加油瓶向油泵内加入油泵所需的油。（确保油位在油位镜的1/2—3/4之间，油泵MIN与MAX之间）
- 拧紧油泵注油口的螺帽，将油窗1重新安装到机器上。

排油

- 用螺丝批拆下机器侧面的油窗2。
- 找一个器皿放在发机器放油口的下面。
- 用随机配送的扳手打开油泵上放油口的螺帽，开始放油。
- 油排尽后，用扳手拧紧放油口上的螺帽，将油窗2重新安装到机器上。





连接充气系统（如果有）

		<p>警告！小心爆炸！</p>
		<p>切勿使用易燃或其它含氧气成分高于 20% 的混合气体，否则有爆炸危险！</p>
	<p>小心！损坏机器！</p>	
	<p>气源压力不得高于 1 个大气压，否则会损坏机器。</p>	

- 切勿使用易燃或其它含氧成分高的混合气体，否则会有爆炸危险。
未按此规定而造成的事故或损坏，我司将不承担任何责任。
- 气瓶必须正确关好，当没有采用充气功能或机器没有使用时，必需关闭气瓶的总开关。
- 气瓶上的压力阀设置必须不高于1个大气压（0.1Mpa），否则会损坏机器。
- 机器的充气管螺纹接头直径为8mm。接头位于机器的侧面或背面。

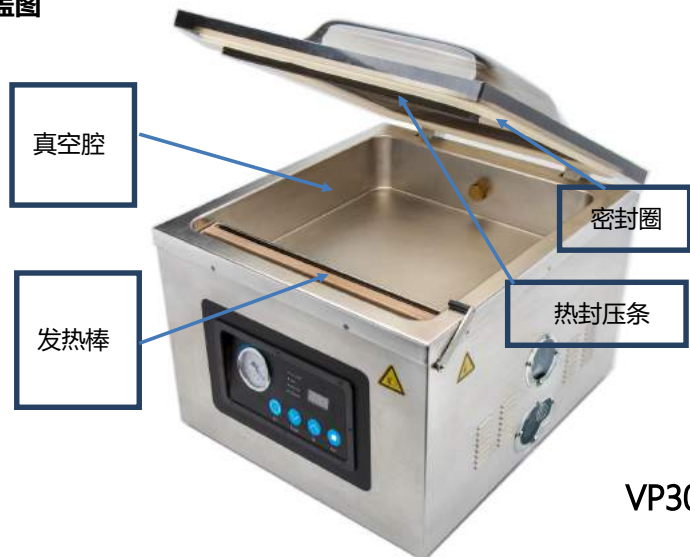


整机





机器开盖图



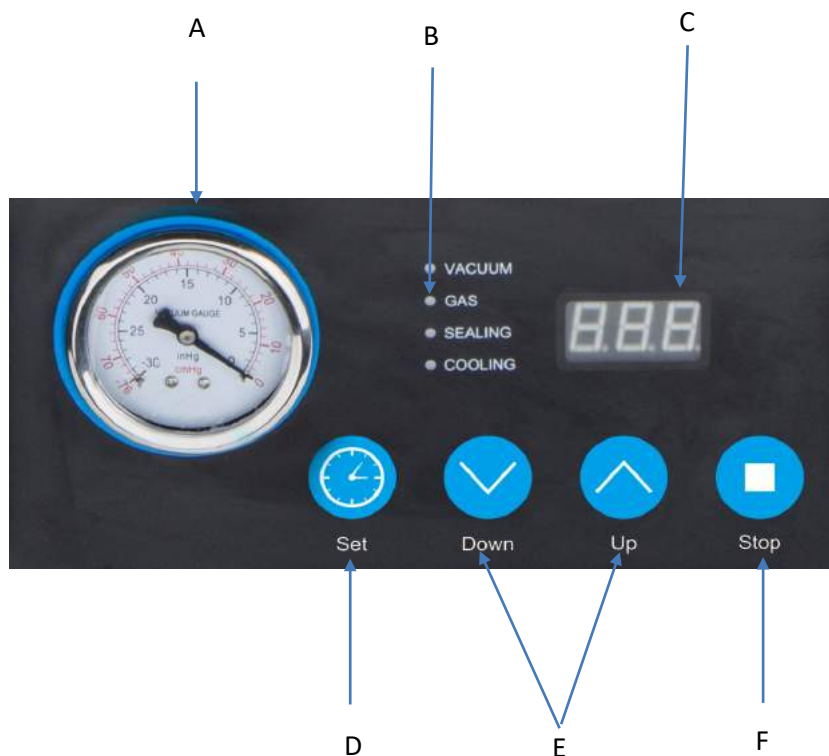
VP300



VP400



控制面板



A. 真空表

显示真空腔内的实时真空度。

B. 工作进程指示灯

- (1) 灯长亮表示正在设置的工作模式
- (2) 灯闪亮表示正在进行的工作模式进程



C. LED显示屏

- (1) 显示机器的待机模式 (OFF)、工作准备模式 (ON/CLO)
- (2) 设置模式时显示对应工作进程所设置的时间。
- (3) 工作状态显示剩余的工作时间。

D.设置

按下此按键切换工作准备模式和设置模式，再通过“v”、“^”按键设置所需的各个功能工作时间。

E. 时间调节按键

通过设置按键，选择所要设置的工作进程，然后通过“v”、“^”按键设置所需的工作时间。

F. 停止按键

按下此按键，结束机器的工作进程。

技术参数

型号	VP-300	VP-400
电压	220-240Vac 50Hz	
功率	1.1KW	
真空泵	Oil pump	
压力	-29.9" Hg / -1012mbar (+0-3‰) 直抽泵 -29.8" Hg/ -1009mbar(±3‰) 真空腔	
净重	≈60KG	≈60KG
发热丝宽度	3.5 mm X 2	3.5 mm x 2 + 3.5mm x 2
发热棒	410mm	432mm x 2
最大封口宽度	410mm	432mm
尺寸	567x495x472mm	567x505x472mm



1. 选择合适尺寸的真空袋，放入所需真空包装的物品，为确保高质量紧密牢固的热封效果，请确保在袋子的顶端留有1”或是2”的额外空间。
2. 将机器连接带有安全接地的插座，打开机器侧面的电源开关扭至ON档，控制面板上的数码管窗口显示“CLO”。
3. 打开真空盖，数码管显示为“ON”，机器进入工作准备模式，将真空袋放入到真空腔内，打开热封压条前端的夹子，让真空袋的开口端穿过夹子，并确保袋子开口端跨过发热棒，然后放下夹子确保真空袋被固定好。
4. 通过设置按键，和时间调节按键设置各工作进程的工作时间。抽真空的时间设置范围为：5-90s；充气的时间设置范围为：0-10s；热封的时间设置范围为：0-6s；冷却的时间设置范围为：0-10s。设置完毕后，需再按一次设置键，返回到“ON”工作准备模式。
(如果将对应工作进程的时间设置为0s,则代表不进行此工作进程，VP300/vp400无充气功能，请知)
5. 放下真空盖，机器开始工作，对应工作进程时，工作指示灯会亮，数码管显示对应工作进程剩余的工作时间。
6. 工作结束后，真空盖会轻微打开，机器会发出蜂鸣声。
7. 取出真空袋，进行接下来的操作。
(真空包装只是延缓了食物变坏的进程，并不能阻止食物的变坏，真空包装后的食物仍需冷冻、冷藏。)
8. 恢复出厂设置
机器通电，立刻并同时按“SET”和“^”键并保持3S，当机器发出“嘀”一声，并显示“rS”，恢复出厂设置成功。



为了延长机器使用寿命，预防故障，达到最佳的包装效果，机器的日常维护是必须的。如果机器使用比较频繁（每天超过4个小时），那么建议每6个月进行一次专业维护，每天不超过4个小时的话，每年进行一次完整的维护（视场所、环境和产品而定）

- 维护前必须完全断开机器电源，将机器插头从墙装插座上取出。
- 如果机器没有正常运行或发出很多奇怪的噪音，请立即关闭电源并联系厂家。
- 切勿使用含溶剂的清洁剂对真空盖进行清洗。每个星期至少检查一次真空盖是否破裂，如果真空盖有破裂，立即停止使用机器。
- 切勿对机器进行高压清洗。高压清洗会严重损坏机器的电子器件和其它零件。
- 切勿让水进入真空腔的抽气嘴或真空泵的排气孔，否则会给真空泵造成无法修复的损坏。
- 非专业人士不可进行大型维护工作。
- 机器移动或运输时必须保持直立水平状态，倾斜机器可能会损坏真空泵。
- 机器每天最多工作时间不可超过8个小时。如果未经协商，用户擅自延长工作时间而导致机器故障或损坏，我司将不承担相关责任。
- 如果用户未按此手册说明对机器进行维护从而导致机器故障或损坏，我司将不承担责任。

真空盖

- 切勿将机器置于热源附近，以免损坏真空盖。
- 切勿将热、尖锐或重物放在真空盖上，否则可能导致真空盖损坏。
- 请使用无溶剂清洁剂来清洁真空盖，因为溶剂会损坏真空盖。
- 每个星期至少检查一次真空盖是否有破裂，如果发现真空盖已破裂，机器必须立即停止使用，在真空盖更换之前都不能被使用。继续使用可能会导致真空盖内爆。如果因使用破裂真空盖而导致事故或损坏，我司不承担任何责任。
- 为安全起见，按标准维护周期每3年应更换一次真空盖。



真空泵

真空泵的日常维护对于延长使用寿命和确保正确操作是非常重要的，如果机器经常使用，建议每年对真空泵至少进行一次全面检查，如有疑问或建议，请与我司联系。

- 新交付使用的机器不含真空泵油，如果机器第一次使用，必须先加油。
- 检查真空泵油的颜色。

真空泵油应该是光亮的、清晰的，不能有泡沫或浑浊，有静止沉淀后有不能消失的白色物质说明油中含有外来物质，必须更换含有外来物质或变黑的真空泵油。

- 真空泵油的使用寿命。

真空泵油的使用寿命取决于其工作环境，抽取干净、干燥的气体，一般每隔50工作小时或每隔6个月必须更换一次真空泵油。

- 每个星期至少查看一次油位和油量，可以通过油位镜进行观察，油位低于油位镜的1/2时需要加油。

热封压条

每星期必须检查一次热封压条，一旦热封压条变得不平整或破裂，须立即进行更换。

- 热封压条是卡在真空盖上的凹槽内的，可以直接取出来。
- 将旧的热封压条从真空盖的凹槽内取出，移走。
- 将新的热封压条安装到凹槽内，用手指按压使其全部嵌入。
- 安装完毕后，检查热封压条是否平整，热封压条也不能有张紧。

密封圈

密封圈的作用是让真空腔在工作时保持密封状态，这对机器能否达到真空度很重要。由于压力不同，密封圈会磨损，必须定期进行更换。

密封圈每个星期至少检查一次，看是否有磨损或损坏。

- 密封圈是卡在真空盖上的凹槽内的，可以直接取出来。
- 新密封圈的长度请根据旧的密封圈条进行测量，太长或太短会造成盖子不能合上或泄露问题。
- 将新的密封圈放入到真空盖的凹槽内。
- 密封圈应平整的放置，没有张紧现象，切除末端必须笔直，放入时紧凑，避免泄露。



故障代码	报警原因	故障排除
E01	机器在工作过程中,门控开关没闭合	1、检查真空盖有没合上; 2、检查门控开关装置是否正常(轩臂、门控开关组件、GAS1 连接线、微动开关、10P 数据线等)
LP	机器工作过程中掉电	1、供电电网故障; 2、机器接线故障(电源线、内部连接线、10P 数据线)

Thank You感谢

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feel free to contact us if there are any questions in using.

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Manufacturer : ASTURSOURCING,S.L.

Address : Arroes de arriba,11 33314 Villaviciosa

Email : fsandoval@astursourcing.com
