



Vac610

owner's manual EN V1.0

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Dear user, please read this manual carefully before operating the equipment, proper use is very important to prevent damage to the machine and personal injury. The potential dangers during operation and maintenance of the equipment are described through symbols in this manual. The following symbols are used in the text for your reference.



Safety warning: *This symbol indicates a safety precaution to be taken to eliminate equipment malfunction and protect your personal safety.*



Notes: *This symbol represents the basic information of the equipment and methods or techniques used by the user.*

The manufacturer has reviewed the contents of this manual and it can't be guaranteed that the contents are exactly the same as the actual situation due to human error. Reviews will be made periodically to make necessary corrections and update accordingly. If you have any concerns about the performance or operation of the equipment after referring to this manual, please contact your distributor prior to use.



We are not responsible for any equipment malfunction or accident caused by installation and use of failure to follow the contents of this manual. All the copyrights of this manual are owned by the company and are strictly prohibited from spreading, copying and other infringing actions. In case of any infringement, the company will retain the right to sue.



Precautions should be taken to prevent damage to equipment when removing packaging. Please check whether the delivered equipment matches what you ordered, if the delivery is incomplete or damaged, please notify the distributor immediately.

PACKAGE CONTENTS



QUART OF OIL

CHECK OIL LEVEL BEFORE OPERATING



FUNNEL

USE FOR OIL



REPLACEMENT HEAT STRIP (QTY - 4)

REPLACE HEAT STRIP IN BAR AT END OF LIFE



REPLACEMENT SEAL BAR TAPE (QTY - 4)

REPLACE THE SEAL BAR TAPE AT END OF LIFE



FILLER PLATES (QTY - 4)

USE TO REDUCE EXCESS SPACE IN CHAMBER

uses and features of the Vac610



The Vac610 is a dual chamber style vacuum packaging machine. Dual chamber machines provide the ultimate solution for optimizing speed and efficiency. The Vac610 is

certainly no exception and in many ways stands apart from its competition. The compact footprint will fit spaces that often are too small for comparably sized dual chamber machines. This machine is small but mighty, touting dual vacuum pumps in the single-phase model or a high-flow vacuum pump, found on the three-phase model. Equipped with a lid assist system, operators will find this machine non-strenuous and simple to operate. Lastly, package integrity is achieved via the extra-wide heat seals that ensure an airtight package is achieved each and every time.

Many products benefit from being vacuum packaged, food can be kept fresher longer and shelf life prolonged, for some items, it can effectively reduce the size making them easier to transport and store. It can be widely used in food, medicine, electronics, chemicals and other fields, one of the best choices for factories, shops, homes, restaurants, and more. The Vac610 is controlled by a low voltage digital control board, it is safe, reliable, simple to operate and easy to maintain. Constructed of corrosion resistant stainless steel and built to last. Adjustable vacuum, sealing, and cooling times to accommodate different packaging materials and requirements.

INSTALLATION



The Vac610 requires a dedicated power supply. Depending on the machine configuration, a 220-volt single-phase or 220-volt 3-phase line will be needed. Both configurations will require a dedicated 20-amp power supply.

- *This equipment should only be used indoors.*
- *Do NOT spray or hose down this equipment.*
- *The presence of flammable gases or flammable vapors is prohibited around the equipment.*
- *The equipment must be used on a stable and level surface.*
- *The power cord must be unplugged before the equipment is transported, cleaned or moved.*
- *Equipment must remain upright when transported to avoid leakage and potential damage to the vacuum pump.*
- *Please note the safety symbols or notes pasted on the equipment.*

RISKS



To avoid serious injury, unplug the machine prior to performing any service!

- *When the equipment is connected to the power, it must be compatible with the rated power, frequency and voltage listed on the ID tag located on the back cover.*
- *Equipment must be plugged into a grounded receptacle.*
- *Do not use an extension cord when plugging in this equipment.*

EQUIPMENT

- *Check oil level in vacuum pump prior to first use and on a weekly basis.*
- *If any damage or oil leakage is found please contact your distributor prior to running.*
- *Never leave the machine unattended while operating! Disconnect power when the equipment is not in use.*
- *Using a damp cloth, wipe off the seal bar tape on the seal bar after each use.*
- *Reduce vacuum time when sealing liquids to prevent boil over and contamination to the vacuum chamber.*
- *Products being packaged must fit comfortably inside vacuum chamber. Under no circumstance should the lid be forced down in order to accommodate an oversized product.*

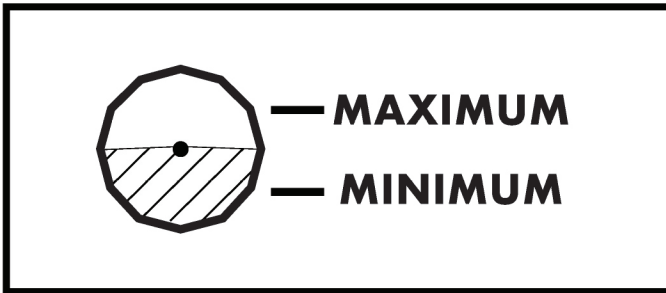
START-UP PREPARATION



The following actions must be taken before running!

- The machine must be placed on a stable and level surface. The environment should be clean and dry with a room temperature of 50°F – 85°F.
- Before operating, vacuum pump oil level should be $\frac{3}{4}$ full when viewed through the sight glass. If the oil level is less than $\frac{1}{2}$, then fill to the $\frac{3}{4}$ level. If oil level is too high or too low it will affect the pump performance and reliability.
- Set the heating time and temperature according to the thickness of the material. If you are not sure about the time and temperature settings then please consult with your distributor.

OIL LEVEL EXAMINATION

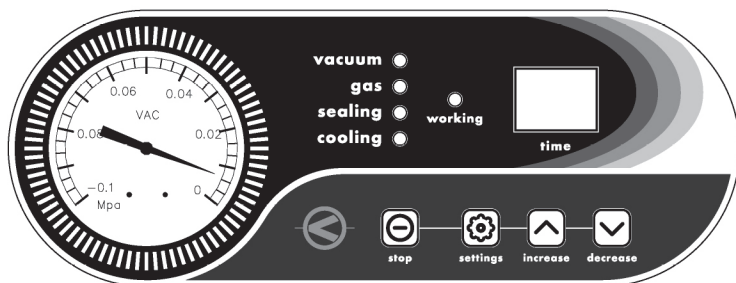


- Check the oil level of vacuum pump prior to running. The oil level can be viewed by removing the back panel and locating the vacuum pump sight glass.
- If the oil level is low, add the appropriate vacuum oil (REFERENCE PART# #22-Q or #46-Q in the "REPLACEMENT PARTS" section) must be non-detergent, the use of motor oil is strictly prohibited. Contact your distributor if you have any questions.

CONTROLS



The incorrect setting methods may affect the performance of the machine or the package integrity.



CONTROL PANEL



stop button

immediately stops the cycle and vents the chamber.



settings button

for making adjustments to the vacuum, seal, gas, and cool times.



increase button

used for making setting adjustments.



decrease button

used for making setting adjustments.



disconnect switch (power on/off)

The disconnect switch can be found on the front panel.









SETTING ADJUSTMENTS




• Every Vac610 is quality tested prior to shipping. Settings are preset to provide a good vacuum and seal on most items packaged in a 3mil vacuum pouch. If more or less vacuum is desired, then an adjustment must be made to the VACUUM TIME. When sealing thicker vacuum pouches, increasing the SEALING TIME may be required.


● Turn on the power using the **DISCONNECT SWITCH** (), the digital panel should display “—”, machine is currently in standby mode.

● Press the **SETTINGS** button (), VACUUM LED light turns on, press the **INCREASE** button () and the **DECREASE** button () to adjust the vacuum time. NOTE: Recommended setting of 15-30 seconds.

● Press the **SETTINGS** button (), GAS LED light turns on, press the **INCREASE** button () and the **DECREASE** button () to adjust the gas time. NOTE: If your Vac610 is not equipped with gas flush then leave this setting at 0 seconds.

● Press the **SETTINGS** button (), SEALING LED light turns on, press the **INCREASE** button () and the **DECREASE** button () to adjust the sealing time. NOTE: Recommended setting for 3mil vacuum bags is 1.8 - 2.2 seconds.

● Press the **SETTINGS** button (), COOLING LED light turns on, press the **INCREASE** button () and the **DECREASE** button () to adjust the cooling time. NOTE: Recommended setting for most applications is 3.0 seconds.

● Press the **SETTINGS** button () to save settings and return to standby.

OPERATION




Incorrect or improper methods of operation will negatively affect the machines performance.

● Turn on the **DISCONNECT** switch (), and confirm settings. See pg. 5.

● Select chamber vacuum pouches with the appropriate size and material. Load the product into the bag and wipe off any contamination around the area of the bag being sealed.

● Carefully lay the loaded bag into the vacuum chamber with the open end laid flat across the seal bar. It is recommended that the pouch be long enough to fully insert into the black hold-down clips. The use of these clips is not required but, in all cases, the pouch must be long enough to lay flat across the seal bar. The most common cause for packages to lose vacuum over time are due to creases and wrinkles in the seal area of the vacuum pouch. **NOTE:** The open end of the bag must be inside the vacuum chamber when the lid is closed, if it hangs out of the chamber it will not be able to extract the air from the package.

● Close the lid firmly to start the cycle. After a couple seconds, the vacuum inside the chamber will suck the lid shut, at this time you may remove your hands from lid. If at any time the machine needs to be stopped immediately then the **STOP** button () may be used.

● Upon completion of cycle the chamber will vent, and the lid will release. At this time you may swing lid to the opposing side to start the next cycle.

● **CAUTION:** The heat seal bar may be hot shortly after the lid springs open. Please take caution when removing the vacuum sealed item from the chamber.

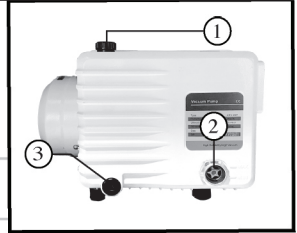
● When machine is not in use, turn off the **DISCONNECT** switch ().

OIL CHANGE

The quality of the oil will directly affect the performance and service life of the vacuum pump. It is recommended that the first oil change occur at 150 hours or 3 months of usage. Every future change should occur at 500 hours or every 6 months, whichever comes first. NOTE: If the machine is used in a humid environment or if the products being packaged contain a high moisture content then more frequent oil changes are recommended.

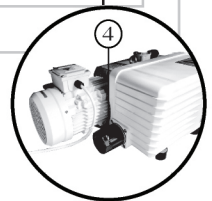
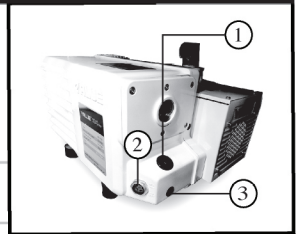
How to change the oil on the Vac610 [1 PH]

- Unplug machine from wall outlet.
- Remove the back panel to access the vacuum pump(s).
- Using a suitable container to collect the oil, remove the oil drain screw (Use 8mm allen wrench) ③
- After the oil has drained, reinstall the oil drain screw. ③
- To refill, twist off the fill cap. ①
- Add oil and fill to the appropriate level on sight glass. ②
- Repeat all steps for the second vacuum pump.
- Run a cycle and check oil level. Top off if necessary.



How to change the oil on the Vac610 [3 PH]

- Unplug machine from wall outlet.
- Remove the back panel to access the vacuum pump(s).
- Using a suitable container to collect the oil, remove the oil drain screw. (Use 8mm allen wrench) ③
- After the oil has drained, reinstall the oil drain screw. ③
- Replace the oil filter. ④
- To refill, remove oil fill screw using 10mm allen. ①
- Add oil and fill to the appropriate level on sight glass. ②
- Run a cycle and check oil level. Top off if necessary.



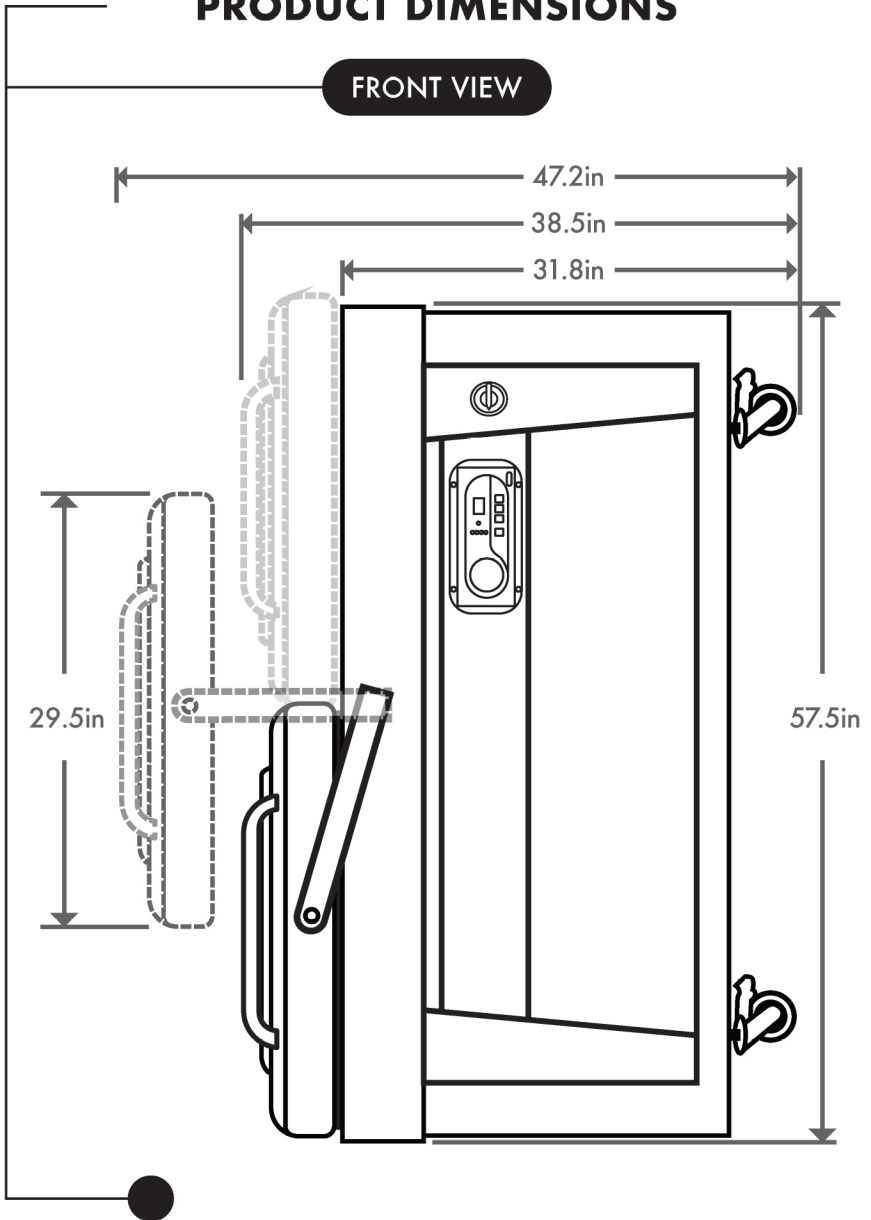
MAINTENANCE

- Regularly check the vacuum pump oil level and fill if less than ½ full. Refer to pg. 7.
- First oil change should be performed after 150 hours of operation, after that every 500 working hours please change the oil. Exhaust filter should be replaced once every year.
- Regularly check the machine fasteners and tighten if necessary. Check the lid hinge mechanism and grease pivot points.
- Inspect the heating element and seal bar tape. If the wire is broken then replace immediately. Replace the tape if burnt or when the bags begin to stick to the seal bar.

PRODUCT SPECIFICATIONS

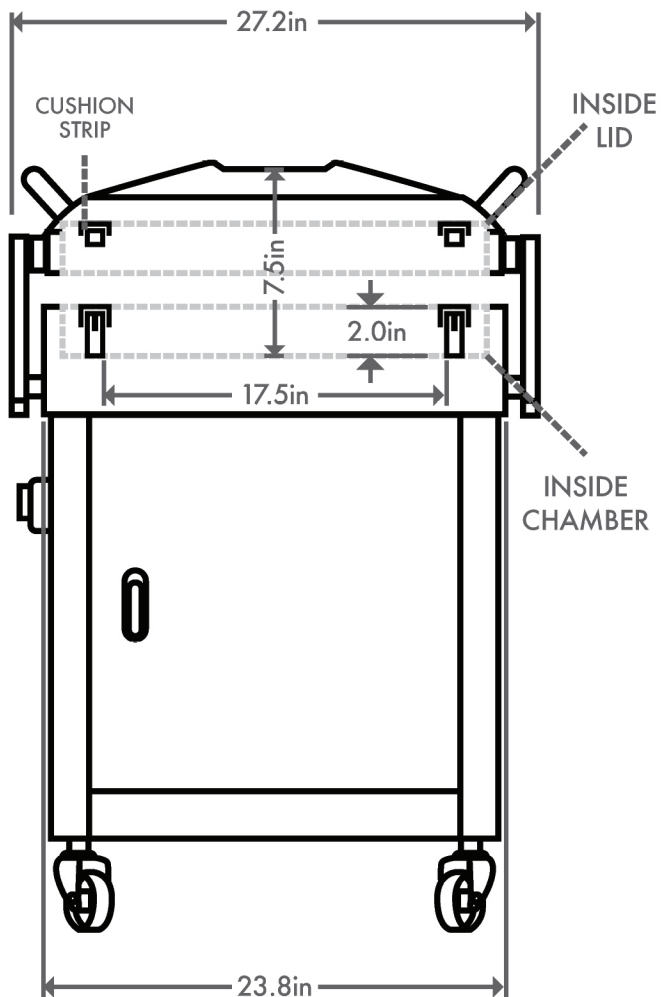
| | Vac610 [1 PH] | Vac610 [3 PH] |
|---|-----------------------------------|-------------------------------|
| Model | Vac610 [1 PH] | Vac610 [3 PH] |
| Voltage | 220V/60HZ/1 PH | 220V/60HZ/3 PH |
| Amps | 16 Amps | 13 Amps |
| Gas extraction rate | 24m ³ /h ≥0.09Mpa (x2) | 100m ³ /h ≥0.09Mpa |
| Vacuum oil type | ISOVG 22 | ISOVG 46 |
| Oil Capacity | 0.48 Quarts (x2) | 2.64 Quarts |
| Machine weight | 540 lbs | 630 lbs |
| Vacuum chamber size | 26.3" x 21.5" x 7.5" | 26.3" x 21.5" x 7.5" |
| Sealing bar length | 24" (x4) | 24" (x4) |
| Distance from seal bar to seal bar | 17.5" | 17.5" |
| Overall dimension (W,D,H) | 57.5" x 27.5" x 38.5" | 57.5" x 27.5" x 38.5" |

PRODUCT DIMENSIONS



PRODUCT DIMENSIONS

SIDE VIEW



COMMON FAILURES AND TROUBLESHOOTING METHODS

| FAULT | REASONS | CORRECTIVE ACTION |
|---|---|--|
| Machine won't turn on | No power supplied to machine | Check the connection of power cable |
| | Disconnect switch is turned off | Check the disconnect switch on side of machine |
| | None of the above | Contact your distributor |
| Poor vacuum, packages are loose | Vacuum time set too low | Increase vacuum time (refer to pg. 5) |
| | Rubber lid chamber gasket is damaged | Replace lid chamber gasket |
| | Vacuum pump oil is low | Add vacuum pump oil to pump (refer to pg. 7) |
| | None of the above | Contact your distributor |
| Poor heat seal on packages | Seal time is set too low to too high | Adjust seal time (refer to pg. 5) |
| | The upper seal cushion is damaged | Replace seal cushion |
| | The heat strip is damaged or broken | Replace heat strip and seal bar tape |
| | Seal bar is not lifting | Seal cylinders may need replacement, contact your distributor to confirm |
| | None of the above | Contact your distributor |
| Cycle won't start when lid is closed | Cycle start switch is damaged or defective | Start switch may need replacement, contact your distributor to confirm |
| Seal contamination when sealing liquids | Vacuum time set too high resulting in boil over | Reduce vacuum time setting (refer to pg. 5) |
| | None of the above | Contact your distributor |

WARRANTY

The warranty on this machine is active for 12 months after the date of purchase. If you experience any issues please contact your distributor to determine the correct course of action.

*** REFER TO THE INCLUDED LIMITED WARRANTY PAGE ***

PACKING LIST



| NAME | PART # | QTY |
|-----------------------|--------|--------|
| <i>filler plate</i> | 610-09 | 4 |
| <i>owner's manual</i> | N/A | 1 copy |

SPARE PARTS

| NAME | PART # | QTY |
|------------------------|---------------------------|-----|
| <i>vacuum pump oil</i> | #22-Q [1 PH]/#46-Q [3 PH] | 1 |
| <i>heat strip</i> | 610-17 | 4 |
| <i>seal bar tape</i> | 610-16 | 4 |

5.4 DISTRIBUTOR CONTACT INFO:

REPLACEMENT PARTS

| IMG | NAME | PART # |
|---|--|---|
|  | <i>Seal Bar Assembly</i> | 610-15 |
|  | <i>Heat Strip</i> | 610-17 |
|  | <i>Seal Bar Tape (24")</i> | 610-16 |
|  | <i>Seal Cushion Strip</i> | 610-19 |
|  | <i>Seal Bar Lift Piston (Left & Right)</i> | 610-25 |
|  | <i>Small Control Transformer</i> | 610-61 |
|  | <i>Large Seal Transformer</i> | 610-62 |
|  | <i>Seal Valve</i> | 610-39 |
|  | <i>Vent Valve</i> | 610-38 |
|  | <i>Pump Exhaust Filter [1 PH]</i> | 610-33 |
|  | <i>Pump Exhaust Filter [3 PH]</i> | 610-32 |
|  | <i>Oil Filter [3 PH]</i> | 610-34 |
|  | <i>Controls</i> | 610-50 |
|  | <i>Lid Chamber Gasket</i> | 610-10 |
|  | <i>Vacuum Pump Oil [1 PH]</i> | #22-Q (QUART) <small>#22-G (GALLON)</small> |
|  | <i>Vacuum Pump Oil [3 PH]</i> | #46-Q (QUART) <small>#46-G (GALLON)</small> |
|  | <i>Lid Spring Assembly</i> | 610-42 |