

# **NOTE**

**READ CAMVAC USER GUIDE  
BEFORE USE**

**READ PUMP USER GUIDE  
BEFORE USE**

**VISIT  
LEAKTRONICS.COM  
AND REVIEW USER VIDEO CONTENT  
FOR ANSWERS ON HOW TO USE  
BEFORE CALLING**

**DO NOT OVERFILL PUMP  
WITH OIL!**

Thank you for your purchase of the LeakTronics CamVac Leak Detection System. For any assistance in use or questions about the product, please contact 818-436-2953.

PLEASE READ THE ENTIRE GUIDE BEFORE USING THE PRODUCT.

1. Unpack the box and lay items out in an orderly fashion. Check that all items are included.

- A. Pump
- B. Hose
- C. Air Nozzle
- D. Gauge
- E. Suction Plug
- F. (2 each) 2" and 1+1/2" Inch Compression Plugs
- F. Top "T" Pipe Assembly
- G. Bushing / Connector
- H. Stand Pipe
- I. Cannister / Water Catch Container
- J. Oil

2. Assemble CamVac as shown in the detailed assembly diagram.

3. Follow instructions for filling pump with oil. DO NOT OVERFILL PUMP WITH OIL!

Using the CamVac for finding leaks:

- 1. Install assembled CamVac to the pipe of choice. When necessary, use connectors to step up or down to fit pipe.
- 2. Close the air nozzle.
- 3. Attach hose to air nozzle and pump.
- 4. Remove exhaust and oil caps - DO NOT DISCARD! Replace caps after each use, prior to transport of pump.
- 5. Remove suction plug (if attached) and insert camera head to the farthest point in the pipe, reinstall suction plug.
- 6. Turn on vacuum pump.
- 7. Adjust the vacuum strength to between 1 and 3 lbs.
- 8. Slowly draw back on camera line, watching the view on the camera screen to detect the leak.
- 8. Adjust vacuum strength as needed.

NOTE:

Watch the level of water in the catch container as it has the potential to fill.

IT IS IMPORTANT NOT TO GET WATER INSIDE OF THE PUMP. THE CATCH CONTAINER CAN NOT OVERFLOW.

**\*\* It is important to plug off the opposite end of the pipe you are inserting the camera into to create a closed system. By not plugging off and isolating the individual pipe you are inserting the camera into, this will cause an influx and overflow of water that will overflow the cannister at a rapid rate and will allow water to enter pump. It is imperative you do not let water enter the pump as it will cause catastrophic and unreparable damage to the pump. This includes plugging and isolating the specific pipe from the trunk line and other points of water access that can enter the pipe. Do not allow water to overflow into the vacuum pump.\*\***

If the water level fills the catch container, shut the pump off. Unscrew the relief nozzle and drain the container from the bottom. Tighten the nozzle and resume the process.

If the container fills quickly, reduce the amount of vacuum using the level on the air nozzle. Use 1 to 3 lbs.

# VACUUM PUMP OPERATION MANUAL

---



---

## Before using Your Vacuum Pump:

In all acases, motors are designed for operating voltages plus or minus 10% of the normal rating. Single voltage motors are supplied fully connected and ready to operate.

- (1) Check to be sure the voltage and frequency at the outlet match the specifications on the pump motor. Check the on/off switch is in the OFF position before you plug the pump into the outlet. Remove and discard the exhaust cap from the end of the pump's handle.
- (2) The pump is shipped WITHOUT oil in the resivoir. BEFORE STARTING THE PUMP, FILL IT WITH OIL. Remove the exhaust fitting cap and add oil until oil shows just in the bottom of the sight glass.
- (3) Replace the exhaust fitting cap and remove the cap from one of the inlet ports. Turn the motor switch to ON. When the pump runs smoothly, replace the cap on the inlet port (2-30 seconds). After one minute of operation, check the sight glass - oil should be even with the sight glass level. Add oil if necessary.

\*\* Note: When running, oil level should be even with the line on the sight glass. don't under or over fill.

## To Shut The Pump:

Close Manifold between pump and system - remove hose from pump inlet - cap inlet port to prevent contamination.

## Maintenance Recommendations:

It is recommended to use High Vacuum Pump Oil.

To change oil: Make Sure pump is warmed.

Remove OIL DRAIN CAP. Drain contaminated oil and dispose of properly. Oil can be forced from the pump by opening the inlet and partially blocking the exhaust with a cloth while it's running.

Do not operate pump more than 20 seconds during this proceedure.

When oil flow has stopped, tilt the pump to remove residual oil.

REPLACE the oil Drain Cap. Remove the exhaust fitting anf fill until oil shows at the bottom of the sight glass.

Be sure the inlet ports are capped then turn on the pump. Allow it to run for 1 minute and check oil level.

When running, oil will reach oil line. REPLACE EXHAUST FITTING, make sure inlet cap and drain cap are tight.

FAILURE TO START? Check line voltage.

OIL LEAKEAGE? Be sure it isn't residual from use. Check gasket - may need replacement.

OIL LEVEL: fill to bottom of sight glass - it will rise to middle of sight glass during operation. Dont Overfill

# ASSEMBLE CAMVAC PIECES AS SHOWN BELOW

