

# Galaxie® POWER-VAC

PV-440

## OWNER'S MANUAL



Look for this  symbol to point out important safety precautions.

 **IMPORTANT** 

Read this manual completely before installing or operating your new Mosquito Galaxie PowerVac™.

## General Information

Mosquitoes and biting flies use a combination of sensory signals to locate a warm blooded host including **heat, light, scent, color, shape, motion** and other by-products of human activity.

Your unit duplicates these sensory signals through the use of solid state electronic technology and through esoteric product design.

Mosquitoes and other flying insect pests attracted to the device are drawn into the unit by a special airflow where they dehydrate and die.

A removable “*see through*” collection tray provides for fast, clean and easy disposal of dead insects.

### Important Safety Instructions

1. **Never place fingers or hands, or insert any objects into the unit while it is connected to an electrical source.**
2. **Always disconnect the power cord from its electrical source before servicing, handling or cleaning the unit.**
3. **Never operate unit with the ultraviolet black-light-blue bulb removed from its socket.**
4. **Do not abuse the power pack. Never carry the power pack by its cord or yank it to disconnect it from a receptacle.**
5. **Keep power cord away from heat, oil and sharp edges.**
6. **Never connect the unit to a battery or other D.C. voltage. Such an attempt will damage your unit.**
7. **Empty collection tray frequently to ensure proper airflow through the tray.**
8. **Do not clean unit with water spray from a hose or the like.**

## Unpacking

Your Galaxie PowerVac has been carefully packed at the factory to prevent damage during shipment. Carefully open the carton and remove its contents. Check parts against the carton content list as shown below.

Save carton and fillers and use them for storing your unit during off-season months.

Qty.	Carton Contents	Description
1	Galaxie PowerVac	
1	Base	
1	Post	
2	Anchor Pins	
1	Collection Tray	
1	Power Pack and Wire	
1	MA-1000 Octenol Attractant Cartridge	
1	Owners Manual	
1	Placement Guide	

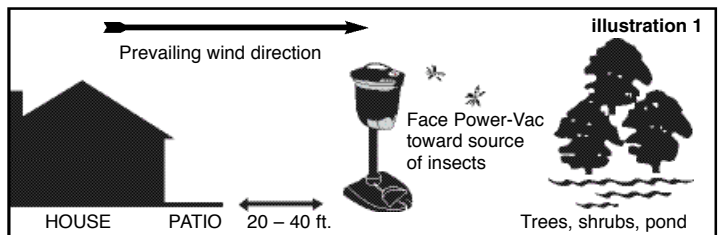
## Placement

Your Galaxie PowerVac is site specific and placement is critical for successful results. To properly locate your unit in your yard, read the accompanying booklet “*the Fine Art of Trapping Mosquitoes*” and follow its guidelines regarding trap placement,

Your Mosquito PowerVac emits an octenol-enhanced plume of air which mosquitoes and biting flies follow in their search for a blood meal. Biting insects fly up-wind toward the source of the plume in their attempt to locate a host. Since the direction of the plume is dependent upon the direction of the wind, your unit should be positioned so it faces downwind.

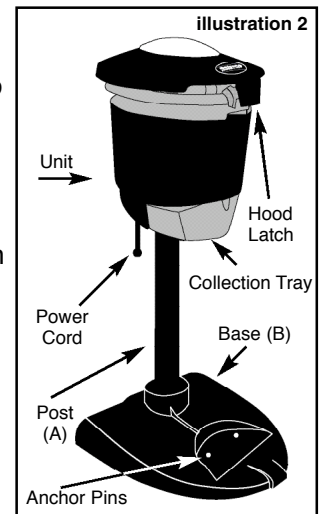
Female mosquitoes also feed on moisture laden nectar and fruit juices when not in search of a blood meal. They are usually found in shade; around flowers, trees, bushes and other vegetation; and adjacent to standing water.

For best results locate your unit 20 to 40 feet away from areas of human activity in a location near (but not in) bushes, wooded areas, or adjacent to standing water (other than swimming pools). Select a location which will result in the scented plume blowing toward the area where mosquitoes are likely to hide and emerge. A proper location will ensure that mosquitoes encounter the plume and follow it up-wind to the PowerVac before they detect the presence of humans. **See Illustration 1.**

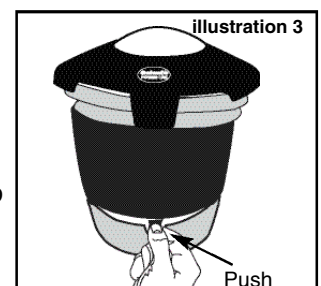


## Assembly

1. Insert one end of Post (A) into the post opening at the rear of the Base (B).
2. Insert other end of Post (A) into the post opening at the bottom of the unit. Align unit in relation to the Base as shown. **See Illustration 2.**
3. Locate the PowerVac in the desired location in your yard. Insert the two Anchor Pins through the holes in the Base (B) and drive the pins into the ground to anchor the unit in place. **See Illustration 2.**



4. Install collection tray by first inserting the rear of the tray into the housing. Then push upper part of the latch in and raise front of collection tray into place. **See Illustration 3.**

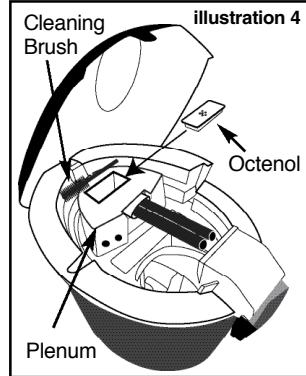


## 5. Install MA-1000 Octenol Attractant Cartridge:

U.S. Government and university researchers have demonstrated that **octenol**, a component of human respiration, is an attractant to mosquitoes and biting flies.

The Galaxie PowerVac uses a specially designed time release cartridge containing **octenol** (1-OCTEN-3-OL). Install the Octenol Cartridge as follows:

- Release the hood latch by pulling top of latch forward.
- Raise the hood up to a vertical position.
- Remove the octenol cartridge from its package and peel off the adhesive label covering the evaporation holes.
- Place the cartridge in the rectangle well in the center of the plenum with the evaporation holes facing upward.  
**See Illustration 4.**
- Close hood and secure the hood latch.
- Position and screw power pack to either an outside or inside wall adjacent to a 115/120 volt A.C. outlet (screws not provided). Run the low voltage wire either above or below ground from the power pack to the unit. Plug the low voltage wire into the power cord connector located at the bottom of the PowerVac. Plug the power pack into the electrical outlet.
- Place the switch located at the rear on the underside of the unit adjacent to the power cord to the "on" position.



**Note: Hood must be down and latched to ensure that the built-in interlock is engaged and will allow power to come on.**

When the power is applied, the ultraviolet blacklight-blue bulb will emit a bluish glow, the axial fan will rotate, the four colored LED's will light and oscillate and the built-in heater will heat the entry louver to body temperature.

## Maintenance

### 1. Collection Tray:

Empty the collection tray periodically to ensure proper air flow through the trap. To remove the collection tray, push in on the latch at the front of the tray and pull tray down.

### 2. Octenol Cartridge:

Replace the octenol cartridge after approximately three weeks of Galaxie PowerVac usage.

### 3. Ultraviolet Blacklight-Blue Bulb:

To replace the blacklight-blue bulb:

**NOTE** Ultraviolet or "blacklight" is invisible to the eye, and its ability to attract insects diminishes over time. Therefore, although the bulb appears to be functioning it should be replaced every season to maintain optimal "blacklight" effectiveness.

- Place on/off switch to the "off" position and disconnect power cord.
- Open hood latch and raise hood to an upright position.

c. Pull bulb out of its socket.

d. Insert replacement bulb.

e. Close hood and secure with latch

f. Connect power cord and return switch to the "on" position. Use only Flowtron BF-200 replacement bulbs available from your dealer or from [www.flowtron.com](http://www.flowtron.com).

## 4. Axel Fan and Funnel:

Clean the axel fan and funnel each time the octenol cartridge is replaced or more often during periods of heavy insect infestation.



**CAUTION**



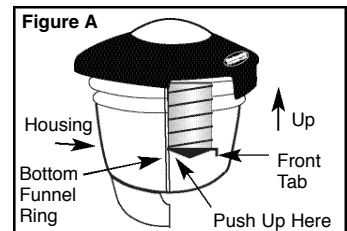
**Always disconnect the power cord from its electrical source before servicing, handling or cleaning the unit.**

To clean the Fan and Funnel, open the hood latch and lift the hood to an upright position.

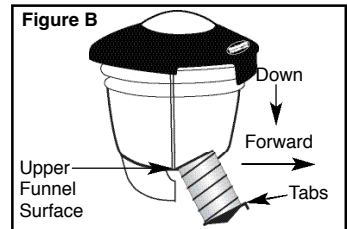
- Clean fan blades and area between the fan blades and the surrounding fan housing using the cleaning brush provided. The brush is located behind the Octenol well. Simply slide the brush out from its stored location. When complete place cleaning brush back in its proper storage location.  
See illustration 4.

- To clean the funnel, remove the collection tray and then

Push rear of bottom funnel ring up into the unit's housing until front tabs become disengaged from housing. See figure A.

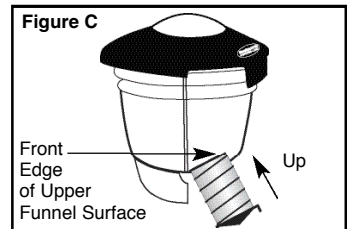


Pull funnel down and forward releasing rear section of upper funnel surface and remove funnel from unit. See figure B.

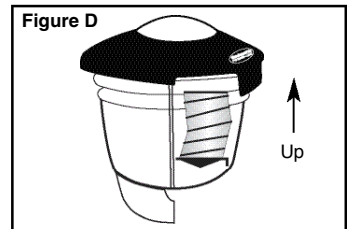


Remove insect debris from screen surrounding funnel. Wash screen with water and shake off excess water before re-installing.

Re-install funnel by holding funnel at a slight angle and inserting the front edge of the upper funnel surface inside of unit's housing. See figure C.



Push funnel upwards and with the rear section of the bottom funnel ring at a slight angle compress funnel until front tabs of bottom funnel ring are up inside of the housing. See figure D.



Close hood, secure with latch, connect power cord and return the on/off switch to the "on" position.

# Warranty

Flowtron warrants your Galaxie PowerVac to be free from defects in materials or workmanship under normal use and service for one year from date of original purchase. All parts with exception of burned out bulbs will be repaired or replaced free of charge. Any implied warranties, including the implied warranty of merchantability are also limited in duration to the one year period from the original purchase date.

The provisions of this warranty shall not apply to any product which as been subject to misuse, neglect or accident, nor which is used for a purpose for which it is not designed, or which shall have been repaired or altered in any way so as to adversely affect its performance and reliability. Service by unauthorized parties voids your warranty. Warranty covers only the original purchaser.

Flowtron neither assumes nor authorizes any person to assume for it any other liability in connection with its product. No responsibility is assumed for any consequential damages that may result from the use of a Flowtron product, nor for damages due to accident, abuse, lack of responsible care, the affixing of any unauthorized attachments, loss of parts or subjecting this unit to any but the specified voltage.

If the unit fails to operate during the warranty period, send the product, along with purchase receipt showing purchase date and description of the problem to: Flowtron Service Center, 15 Highland Avenue, Malden, MA 02148. Transportation costs for returning any defective product are the responsibility of the consumer.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Flowtron Outdoor Products, 15 Highland Ave., Malden MA 02148  
1-800-343-3280

## PV-440 Trouble Shooting Chart

Symptom	Probable Cause	Remedy
Ultraviolet bulb, fan and colored LED's do not function.	<ol style="list-style-type: none"> <li>1. No power at outlet.</li> <li>2. Hood interlock switch not closed.</li> <li>3. Unit not properly connected to its power pack.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check for 110-120 Volts AC power at outlet.</li> <li>2. Check for proper latching of hood.</li> <li>3. Check plug connections between unit and power pack low voltage wire.</li> </ol>
The fan does not run.	<ol style="list-style-type: none"> <li>1. Fan clogged with insect debris.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean fan. (See "Maintenance" section of owner's manual).</li> </ol>
No dead insects or insect debris in collection tray.	<ol style="list-style-type: none"> <li>1. Funnel end is not over collection tray nozzle opening.</li> <li>2. Fan and/or funnel clogged with insect debris.</li> </ol>	<ol style="list-style-type: none"> <li>1. Engage the funnel end with the collection tray nozzle opening.</li> <li>2. Clean fan and funnel. (See "Maintenance" section of owner's manual).</li> </ol>
Not catching mosquitoes.	<ol style="list-style-type: none"> <li>1. Current mosquito population not readily attracted to the PowerVac.</li> <li>2. Trap is not located in a productive site.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notably the day flying Asian tiger Mosquito. Operate the unit with the Octenol cartridge removed.</li> <li>2. Move trap to a new site. (See "Placement" section of owner's manual).</li> </ol>

Any problems you encounter that are not corrected by the action recommended in the trouble shooting chart should be referred to the Flowtron Service Department, 1-800-343-3280.

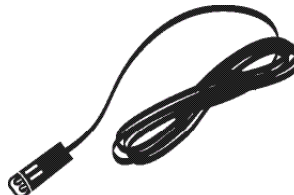
## Accessories

Accessories are available at your local retail outlet or by ordering on-line at [www.flowtron.com](http://www.flowtron.com)



**Mosquito Attractant: – MA 1000**  
Slow release Octenol Cartridge makes your Galaxie PowerVac more effective in attracting mosquitoes and biting flies.

**Mosquito Attractant Six Pack: – MA 1000-6**



**Extension Cord – EC-50**  
50 foot low voltage extension cord. Allows placement of the Galaxie PowerVac an additional 50 feet away from the power source.

Flowtron Outdoor Products, 15 Highland Ave, Malden, MA 02148  
1-800-343-3280 • [www.flowtron.com](http://www.flowtron.com)