



TROUBLE-SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSES	EXPLANATION	SOLUTION
There is liquid leaking out the main body or shaft	Sprayer was laying on its side	The vent hole on the top of the tank, under the main body, will allow the liquid to drip if it is left on its side with liquid in it. The vent has to be there or it will not work properly.	* Do not store the Blue Viper on its side (See SHORT TERM STORAGE information in your instruction guide.)
	Overfilling of the tank	When you fill the Blue Viper it is easy to overfill the tank. Because of the tank shape and location, the liquid will run around the tank and into the main body. When this occurs it will travel down the main body and out the battery door or down the shaft.	* Fill the tank slowly * Use a measuring cup for filling the correct amount of liquid
	* Tank cap is not on tightly * Rubber Gasket inside the cap is missing	If this happens the liquid will travel out of the tank and into the main body. Then it will come out the battery cover or out and down the shaft.	*Try retightening the tank cap. *Check for the placement of the Gasket
Liquid continuously comes out of the nozzle while the pump is off	Debris is caught in the check valve	The Blue Viper nozzle has a built in check valve to stop the continuous flow of liquid. There are times that debris could get lodged causing the check valve to not work properly which would allow the liquid to flow continuously.	Remove the nozzle and fill tank with water and run through the sprayer for several minutes
Battery Compartment Cover will not stay on	The cover is not snapped in at the top corners	The battery compartment cover fits very snugly on some models and may require some extra pushing to get it to snap into place correctly.	Check that the cover is completely snapped into place at the top corners
Assembly of shaft ends is difficult. Coupling is too tight.	Tight fitting coupling design	To assure a leak proof assembly, the shaft ends are designed to be tight.	A drop of dishwash soap on the O-rings will help
Pump won't prime when first assembled	Check valve can be difficult to open initially	The check valve just above the nozzle prevents dribbling when the pump is not on. It can be difficult to open the first time.	Prime the pump prior to assembly. Once primed, it can push the valve open once assembled

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Pump quits pumping. (Runs out with several ounces left in tank)	Liquid not getting into pump intake	The pump intake is on the top rear portion of the tank to facilitate conventional and overhead spraying. When tipping the unit down too far (raising the handle too high), the solution flows away from the intake.	Lower the handle while in use. Keep handle at 29" above the spray nozzle (or lower).
	Filter screen is plugged	Some chemicals can dry out or thicken to plug the filter. This is especially likely if the unit is stored without being emptied and rinsed out.  (Cut-away of tank showing filter in bottom)	Empty tank and rinse. Insert finger into fill spout and gently pull out black ring inside spout, with attached filter. Be careful not to pull too hard on attached hose. Rinse the filter and re-insert into fill spout.  (Filter assembly pulled out and ready to clean)
	Filter screen is plugged	If your sprayer continually clogs, dirt or debris may have gotten into the tank.	Empty the contents of the tank into a bucket and then rinse the tank clean. then fill with clean water and run through system by activating the pump.
Sprayer is delivering a poor pattern or seems clogged (with pump running)	Nozzle is clogged	If the nozzle is clogged it will shoot out a single stream instead of a mist. Some chemicals can dry out or crystalize in nozzle.	Remove the nozzle from under the spray shield, by turning the nozzle counterclockwise about 1/3 turn and pulling out gently with a pair of pliers. Then flush the entire line with water by filling tank with clean water and letting pump run. Blow out the nozzle with compressed air or rinse with a stream of water. (Do not insert anything into the nozzle as it will damage the very fine spray pattern.) Finally, re-insert the nozzle and turn clockwise to secure it.

ADDITIONAL HELP & INFORMATION

PHONE: (888) 243-4891 (Consumer care line open 9 am - 4 pm Monday - Friday)

For Warranty service and questions about assembling or using your sprayer we suggest you check our online FAQ section first, but please feel free to call us if you are not certain or have any other questions. We welcome your call.

ONLINE: www.blue-viper.com Complete catalog of all company products and helpful spraying and gardening information. Downloadable parts descriptions, diagrams and more.