

Pressure Washer

General Safety Rules And Operator Instructions

Rules for Safe Operation

Safety precautions are essential when any electrical or mechanical equipment is involved. These precautions are necessary when using, storing, and servicing electromechanical equipment. Using this equipment with the respect and caution demanded will considerably lessen the possibilities of personal injury. If safety precautions are overlooked or ignored, personal injury or property damage may occur.

The symbols shown below are used extensively throughout this material. Always heed these precautions, as they are essential when using any electrical or mechanical equipment.



WARNING

This warning symbol identifies specific instructions or procedures which if not correctly followed could result in personal injury or death.



CAUTION

This caution symbol identifies specific instructions or procedures which, if not strictly observed, could result in damage to, or destruction of equipment.

This unit was designed for specific applications. It should not be modified and/or used for any application other than which it was designed. If there are any questions regarding its application, write or call. Do not use this unit until you have been advised. For more information, call Customer Service at (630) 620-6669.

1. Read this manual carefully—know your equipment. Consider the applications, limitations, and the potential hazards specific to your unit.
2. Outlets with a third prong ground are required. Do not use without grounded prong.
3. Do not touch plug or outlet with wet hands.
4. Avoid accidental starts. Shut switch “off” before connecting or disconnecting cord to electrical outlets.
5. Water spray must never be directed towards any electric wiring or directly towards the Pressure Washer machine itself or fatal electric shock may occur.
6. Check power cords before using. Damaged cords can reduce performance of Pressure Washer or cause a fatal electric shock.
7. The narrow pin point stream is very powerful. It is not recommended for use on painted surfaces, wood surfaces or items attached with an adhesive backing.
8. Never direct spray wand at people or pets.
9. Never allow children to operate Pressure Washer at any time.
10. Wear safety glasses and/or goggles while operating.
11. Disconnect power plug from the outlet when not in use and prior to the detaching of the high pressure hose.
12. Only Maxi-Vac Jet Streamer hoses and nozzles should be used.
13. Never tie knots or kink the high pressure hose as damage could result.
14. Prior to starting the Pressure Washer in cold weather, be sure ice has not formed in any part of the equipment

15. Carefully observe all soap and/or chemical instructions and warnings before using. Some chemicals may be harmful to people or damage your Pressure Washer.
16. To prevent accidental discharge, the spray gun should be secured by locking trigger when not in use.
17. Do not run the Pressure Washer for more than five minutes without depressing the trigger or damage to the pump may result.
18. To allow free air circulation, the Pressure Washer should NOT be covered during operation.
19. To prevent voltage drop, do not use an extension cord unless absolutely necessary. Then, make certain the cord is of equal rating or larger than the cord set.

Extension Cords



WARNING

WARNING: Extension cords are not recommended unless they are plugged into a ground-fault circuit-interrupter found in circuit boxes or protected receptacles.

Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole cord connectors that accept the plug form the product.

Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating higher than the rating of the product.

Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cord and do not pull on any cord to disconnect. Keep cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.



WARNING

WARNING: To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.

START-UP PROCEDURES

1. Make sure water supply is connected and turned on.
2. Make sure the unit is plugged in and the GFCI HAS BEEN RESET (if applicable).
3. Release gun safety if locked.
4. To allow air to escape from the hoses, squeeze the trigger until there is a steady stream of water.
5. Start Pressure Washer by moving on/off switch to "on" position.



WARNING

WARNING: Make sure the wand is pointed in a safe direction when starting the Pressure Washer. Do not point at face or feet as serious injury could result.

Important Don'ts To Protect Your Pressure Washer Against Damage.

1. **DON'T** run your unit without inlet water connected and turned on. This will damage the pump and Voids the Warranty.
2. **DON'T** let particulate matter get into the pump. Sand and other material can ruin the pump immediately. This Voids the Warranty.

To keep particles out, never operate your unit without the filter washer being properly installed in the garden hose connector and the siphon/injector filter properly installed on the suction tube.

3. DON'T pump chlorine, acids, caustics, or abrasive solutions or liquids through the pump.



CAUTION

CAUTION: Most pressure washer pumps are NOT designed to withstand chlorine, acids, caustics, etc. If you must use such materials, a pressure washer with an injector must be used to keep such materials from passing through the pump. Failure to follow this procedure **voids the Warranty.**

Cleaning Techniques

When cleaning with the Pressure Washer, many cleaning tasks can be solved with water alone, but for most tasks it is advantageous to use a detergent also. A detergent ensures a quick soaking of the dirt allowing the high pressure water to penetrate and remove the dirt more effectively.

Application of Soap

1. Apply the soap solution to a DRY work surface. **NOTE:** Wetting the surface first is not recommended, as it dilutes the detergent and reduces its cleaning ability. On a vertical surface, apply soap horizontally from side to side starting from the bottom to avoid streaking.



CAUTION

CAUTION: Avoid working on hot surfaces or in direct sunlight to minimize the chances of the soap damaging painted surfaces.

2. Allow the soap to remain on the surface for a short time before rinsing.



CAUTION

CAUTION: Damage may occur to painted surface if soap is allowed to dry on the surface. Wash and rinse a small section at a time.

3. Rinse with clean water under high pressure. On a vertical surface, first rinse from the bottom up, then rinse from the top down. Hold nozzle 6-8 inches from the work surface at a 45° angle using the flat spray as a peeling tool rather than a scrub brush.

End Of Operation

When you have completed use of the chemical line, remove tube from container, continue to run and flush clean water through the tube until it is thoroughly cleaned. **NOTE:** Failure to clean properly will cause the injection system to become clogged and inoperable.

- Stop the cleaner by moving switch to "off" position
- Disconnect electrical plug
- Turn off water and depressurize unit by squeezing trigger



WARNING

WARNING: Turn off water supply and squeeze trigger to depressurize the unit. Failure to do so could result in personal injury due to discharge of high pressure water.

- Disconnect the high pressure discharge hose and the water inlet hose

Storage



CAUTION: Always store your Pressure Washer in a location where the temperature will not fall below 32° F. The pump in this machine is susceptible to permanent damage if frozen. **FREEZE DAMAGE IS NOT COVERED BY WARRANTY.**

If you must store your Pressure Washer in a location where the temperature is below 32° F, you can minimize the chance of damage to your machine if you drain it as follows:

1. Stop the Pressure Washer and detach supply hose and high pressure hose. Squeeze the trigger of the discharge gun to drain all water from the wand and hose.
2. Restart Pressure Washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet. Another method of reducing risks of freeze damage is by utilizing the following procedure:
 - a. Shut off water supply and relieve pressure in the spray gun by depressing the trigger. Disconnect the garden hose from the Pressure Washer, but leave the high pressure hose connected.
 - b. Tip the unit on its side with the inlet connection pointing up.
 - c. Insert a small funnel (to prevent spilling) into the inlet and pour in approximately 1/2 cup of antifreeze.
 - d. Turn on unit without connecting garden hose to circulate the antifreeze in the pump system. Pull the trigger to dispel antifreeze or water in the line. After approximately 10 seconds, turn off the unit and disconnect the high pressure hose. The antifreeze will serve as a rust preventative during storage and help prevent the pistons from sticking.

LIMITED WARRANTY

This product is warranted by Maxi-Vac, Inc. to the original purchaser against defects in material and workmanship for a period of one year from the date of purchase and is not transferable. This warranty does not apply to rental applications. The warranty period for units in rental service is 90 days.

WHAT IS COVERED: Replacement parts and labor.

WHAT IS NOT COVERED: This warranty does not include such parts as hoses or nozzles which must be replaced as part of normal maintenance of the equipment, rather than as the result of a defect. Electrical cords which are cut, pulled loose from machine and G.F.C.I. plugs that fail because of mishandling are not covered by the warranty. Transportation charges to Maxi-Vac for defective products. Transportation charges to return repaired products. Damages caused by abuse, accident, improper repair, or failure to perform normal maintenance. Use of improper chemicals or noncompliance with the operator's manuals instructions. Sales outside of the United States and Canada. Any other expense including consequential damages, incidental damages, or incidental expenses, including damage to property. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty does not cover defects resulting from failure to observe any of the following conditions:

1. The inlet water pressure must be between 20-60 p.s.i.
2. The inlet water temperature must not exceed 140° F. If your unit has a thermal relief valve, excess heat will cause valve to open. This prevents pump damage, but valves are not covered by warranty.
3. The unit must not be run "dry" - without inlet water.
4. Do not run for more than five (5) minutes, with the gun in the closed position.
5. Do not store in areas where temperatures drop below 32° F.

How to Obtain Warranty Service: Simply return the unit to your Maxi-Vac dealer, along with proof of date of purchase. The dealer will return the unit, with your proof of date of purchase to the Service Department, Maxi-Vac, transportation charges prepaid.

The extent of any provision of this warranty is prohibited by federal, state, or municipal law, and cannot be preempted, it shall not be applicable. This warranty gives you specific rights, and you may also have other rights which vary from state to state.