



Powr-Flite PE060-G15-U Pulsar Plus Carpet Extractor Owner's Manual

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Powr-Flite®

Pulsar + Extractor
OPERATOR'S MANUAL



PE060-G15-U

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INTRODUCTION

Warranty



Within 30 days of purchase, to activate product warranty, go to: <https://www.powr-flite.com/warranty-registration>



Warning Labels

Prior to operating the unit, read and understand completely this owner's manual paying special attention to warning labels. These labels indicate a potentially hazardous situation that could result in death or serious injury if not avoided. Use only as described in this manual.



Flammability Warning

NEVER fill the unit with flammable chemicals. Do NOT use in an area where flammable fumes are present. State of California Proposition 65 Warnings



WARNING: This product contains one or more chemicals known to the state of California to cause cancer.



WARNING: This product contains one or more chemicals known to the state of California to cause birth defects or other reproductive harm.

Your new Power-Flite unit is a high-quality, precision-made product. All parts used in the manufacturing of this unit have passed rigid quality control standards prior to assembly. Please safeguard the original receipt/invoice given at the time of purchase. If you experience any problems with your unit during the warranty period, the original receipt/invoice will act as proof of purchase. Upon receipt, inspect the outer box for exterior damage. Unpack all internal parts, ensure all items are present according to the owner's manual, and review components for damage. Each unit is tested and thoroughly inspected prior to shipping. If damage is discovered, immediately notify the transportation company that delivered your machine and request an inspection. As a manufacturer, we are unable to act upon any claim for concealed damage and you must originate the claim. Be sure to keep the carton, packing inserts, and carrier's receipt until the inspector has verified your claim.

GROUNDING INSTRUCTIONS

DANGER: Improper use of the grounding plug can result in a risk of electric shock.

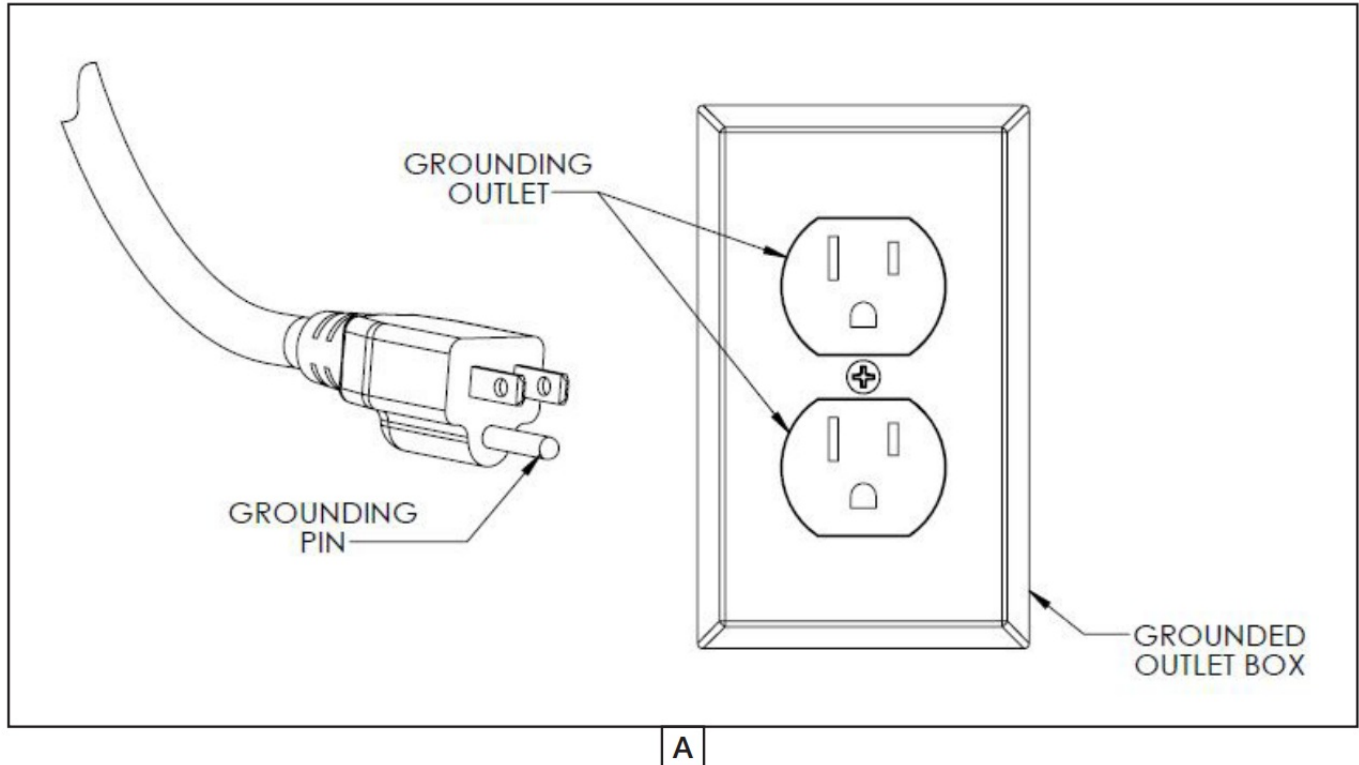
WARNING!

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. DO NOT

modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

GROUNDING METHODS

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. This appliance is for use on a nominal 115-volt circuit and has a grounding plug that looks like the plug is illustrated in sketch A.



IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS UNIT

Read and understand this owner's manual and all labels on the unit before operating. Safety is a combination of common sense, staying alert, and knowing how your unit works. Use this unit only as described in this manual. Use only the manufacturer's recommended attachments. To reduce the risk of personal injury or damage to your unit use only recommended accessories.

WARNING To avoid fire, DO NOT use a flammable or combustible liquid or floor cleaner.

WARNING To avoid electric shock, DO NOT expose to rain. Stored Indoors.

When using this extractor, basic precautions should always be followed, including the following:

1. DO NOT leave the unit when plugged in. Unplug from outlet when not in use and before servicing.
2. DO NOT allow the unit to be used as a toy. Close attention is necessary when used around or near children.
3. Use only as described in this manual. Use only the manufacturer's recommended attachments.
4. DO NOT use with a damaged cord or plug. If the unit is not working properly because it has been dropped, dropped into water, left outdoors, or damaged in any way, contact a service center
5. DO NOT handle plug or appliance with wet hands.
6. DO NOT put any objects into openings.
DO NOT use with any opening blocked: keep free of dust, lint, hair, or anything that may reduce airflow.
7. Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.

8. DO NOT pick up anything that is smoking or burning such as cigarettes, matches, or hot ashes.
9. DO NOT use to pick up hazardous chemicals.
10. Turn off all controls before unplugging.
11. Turn unit off immediately if foam or liquid comes from the machine exhaust. Empty & clean out the recovery (dirty) tank and use a defoamer to correct the problem.
12. DO NOT use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
13. DO NOT use where oxygen or anesthetics are used.
14. Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety.
15. This unit must be connected to a properly grounded outlet only. See grounding instructions.
16. DO NOT use equipment out of doors or in the rain.
17. DO NOT use equipment near or around flammable or explosive materials, fuels, or solvents.
18. DO NOT allow the unit to freeze.
19. Anyone designated to operate this equipment must, without fail, read and thoroughly understand all instructions and precautions prior to use.
20. Never lift the machine by a pressure regulator (on a heated model).
21. Wear safety equipment and clothing to protect from extremely hot water.
22. Do not operate in standing water.
23. Do not operate equipment under any unsafe conditions.

SAVE THESE INSTRUCTIONS

General Instructions for the PE060-G15-U

Follow these easy step-by-step instructions to ensure proper operating performance.

1. If you are not pre-spraying the chemical on the carpet, fill up the freshwater solution tank with tap water that is 120°-135°F (49°-57°C) and approved carpet cleaning chemical, following the mixing instructions for the chemical being used, into the solution tank. If using the EZ Fill hose option, remove the hose from the solution tank, (Fig. #1), and connect the hose to a water faucet.
2. Attach the extension cord to the socket on the back of the unit (Fig. 2) and twist it clockwise to lock it in place.
3. Plug the other end of the extension cord into a grounded 15 amp wall socket circuit.
4. Attach the hose system to the unit and to your carpet wand.
5. Turn the pump switch (#1 Fig. 3) to the "ON" position.
6. Turn the vacuum switch (#2 Fig. 3) to the ON" position to begin cleaning.
7. When the recovery tank is full, empty by using a drain hose on the front of the machine. If a pail is used to empty the recovery tank, do not use the same pail to fill the solution tank as this can result in putting dirt and grit into the solution line that can plug filters, and orifices, and generally degrade the solution line system (do not reuse solution).
8. To empty the solution tank, detach the wand from the end of the vacuum hose and insert the vacuum hose into the solution tank. Turn the vacuum switch to the "ON" position and transfer the solution to the recovery tank and dispose of as outlined in #7.



Fig. 1



Fig. 2



Fig. 3

Maintenance

To receive reliable service from this equipment, regular daily maintenance is a requirement. Fabric cleaning, both carpet, and upholstery are a very dirty environment for any equipment. The following recommendations are offered.

1. Keep the equipment clean, both inside and out.
2. Lubricated brass quickly disconnects with a quality lubricant such as WD-40®.
3. Flush solution systems after use with clear, clean water. A white vinegar solution may also be used. This will counter-act hard water and alkaline deposits and aid in keeping orifices clean.
4. Do not allow fluid either in the solution or recovery tank to sit overnight. The unit should be emptied and cleaned daily.
5. Clean the strainer in the solution tank (Fig. 4) daily.
6. Do not use the same receptacle (pail) to fill the solution tank that has been used to remove waste water from the recovery tank.
7. When the unit is not in use, leave the tank lids open.
8. At the end of each day, run the vacuum for 3 minutes with lid open.



Fig. 4

Storage of Equipment

1. Store extractor indoors in a dry area.
2. The recovery and solution tank should be empty and clean when the extractor is not in use.
3. Leave the recovery lid and drain hose open to air out the recovery tank.
4. Do not store in freezing temperature.
5. A small amount of windshield washer fluid may be left in the pump and internal solution line for protection against freezing.

Warnings

1. Do not break off or pull the grounding prong on the plug.
2. Do not attempt a repair on a machine that is under warranty unless instructions to perform it by an authorized shop are obtained from the factory.
3. Do not use citrus-based (D-Limonene) cleaners in this machine.
4. Do not use cleaning chemicals in this machine except those recommended for steam-type extraction equipment. The use of any chemicals with abrasive additives voids the warranty.
5. Do not use any replacement parts except those specified on the parts list. The performance of the machine could be affected if substitutions are made.
6. Do not use water in excess of 140° F (60° C) through the pump system. It could damage the seals and polypropylene casing of the diaphragm pump.
7. Follow maintenance schedule strictly.
8. Failure to comply with the above warnings instructions will void the warranty.

Troubleshooting Information

ELECTRICAL SYSTEM

PROBLEM	POSSIBLE CAUSE	SOLUTION
No electrical power.	<ol style="list-style-type: none"> 1. Defective power cord. 2. Circuit breaker off or a fuse blown. 	<ol style="list-style-type: none"> 1. Replace 2. Turn the circuit breaker on or replace the fuse. <p>Unplug any equipment using the same circuit.</p>
The switch is turned on. Intermittent power to the motor(s).	<ol style="list-style-type: none"> 1. Faulty electrical cable. 2. Defective switches. 3. Loose terminal. 	<ol style="list-style-type: none"> 1. Repair or replace. 2. Replace. 3. Replace.
Electrical Shock	<ol style="list-style-type: none"> 1. Equipment not grounded. 	<ol style="list-style-type: none"> 1. Locate grounded outlet.

VACUUM SYSTEM

PROBLEM	POSSIBLE CAUSE	SOLUTION
Vacuum motor on, low or no vacuum at wand.	<ol style="list-style-type: none"> 1. Drain hose open. 2. Defective vacuum hose Kinks in the vacuum hose. 3. Vacuum disconnected. 4. Damaged recovery tank lid. 5. Loose hose connection 6. Vacuum motor exhaust blocked. 	<ol style="list-style-type: none"> 1. Close drain hose. 2. Repair or replace the hose. 3. Open the machine, and connect the vacuum hose to the recovery tank. 4. Replace the tank lid. The recovery tank lid must be closed. 5. Check for leaks around clamps and cuffs vacuum motor. Replace the damaged hose(s). 6. Check air flow by removing the hose from the machine and feeling the exhaust under the machine. Remove obstruction.
Motor running and no vacuum and no exhaust from the blow port.	<ol style="list-style-type: none"> 1. Faulty vacuum motor. 2. Float activated. 3. Recovery tank full 	<ol style="list-style-type: none"> 1. Replace. 2. Clean float. 3. Empty recovery tank.
Premature activation of the recovery tank float.	<ol style="list-style-type: none"> 1. Dirty or clogged float. 	<ol style="list-style-type: none"> 1. Clean float.
Foam/dirty solution coming out of vacuum exhaust port.	<ol style="list-style-type: none"> 1. Foam bypassing float. 2. Elbow in the vacuum tank is not positioned correctly. 	<ol style="list-style-type: none"> 1. Use additional defoamer. 2. The elbow should be pointed directly at the side wall of the tank.

PUMP SYSTEM

PROBLEM	POSSIBLE CAUSE	SOLUTION
Pump motor runs but no spray through jets.	<ol style="list-style-type: none"> 1. Clogged or faulty solution filter. 2. Clogged or faulty quick disconnect on housing. 3. Punctured pump diaphragm. 4. Clogged jets 	<ol style="list-style-type: none"> 1. Check filter and remove lint or other foreign material. 2. Depress plunger on solution hose against the inside wall of solution tank. If the solution is flowing at this point, the system is OK. If no solution flows, check the quick disconnect for lint and other foreign matter. 3. Replace with a diaphragm repair kit. 4. Clean jets on wand or tool.
Uneven spray from jet. Spray weak or uneven.	<ol style="list-style-type: none"> 1. Clogged strainer in the solution tank. 2. Clogged jet. 	<ol style="list-style-type: none"> 1. Unscrew the strainer and remove lint and any other foreign material from the screen. 2. Remove and clean.
Leaking or stuck solution valve.	<ol style="list-style-type: none"> 1. Foreign material in the valve. 2. Loose brass hex nut. 3. Valve or seals worn 	<ol style="list-style-type: none"> 1. Remove brass hex plug, clean valve, and replace. 2. Reseal hex and plug. 3. Replace worn parts with a solution valve repair kit.
The pump motor not working.	<ol style="list-style-type: none"> 1. Loose wiring 2. Defective pump pressure switch. 3. Motor burnout 	<ol style="list-style-type: none"> 1. Tighten wiring 2. Replace with new pressure switch assembly. 3. Replace pump motor
Pump pressure low	<ol style="list-style-type: none"> 1. Clogged screens on the strainer in the solution tank. 2. Punctured pump diaphragm. 	<ol style="list-style-type: none"> 1. Unscrew the strainer and remove lint and any other foreign material from the screen. 2. Replace with a diaphragm repair kit.
Pump pressure varies.	<ol style="list-style-type: none"> 1. Defective pump pressure control switch. 	<ol style="list-style-type: none"> 1. Replace.

Power-Flite


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WWW.POWER-FLITE.COM



Record of Purchase

Serial Number:.....
Purchase Date:.....
Dealer:.....
Phone Number:.....

Documents / Resources

 <p>Powr-Flite</p> <p>Pulsar - Extractor OPERATOR'S MANUAL</p> <p>PE060-G15-U</p>	<p>Powr-Flite PE060-G15-U Pulsar Plus Carpet Extractor [pdf] Owner's Manual PE060-G15-U, Pulsar Plus Carpet Extractor, PE060-G15-U, Pulsar Plus Extractor, Pulsar Plus, Carpet Extractor, PE060-G15-U Pulsar Plus Carpet Extractor</p>
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References

- [PF Commercial Floor Care Equipment | Powr-Flite](#)
- [PF Product Warranty Information | Powr-Flite](#)

Manuals+.