

OWNER'S MANUAL

12-Gallon - 1200psi

Designed, manufactured and assembled in the **U.S.A.**



Specifications

1200psi

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12-GALLON QUICK START GUIDE



Complete hose & wand kit (25 ft. vac & solution hoses)



2 Cord Extractor Electrical Connection

Quick Start Machine Preparation

No Power Dual Cord Machine

GFI's 1st plug in one cord. 2nd Cord must be on a separate circuit. A light and sound pulse will activate when you plug into a 2nd circuit. If you do not hear a pulse tone move cord to other outlet until you obtain a 2nd pulse. Pump will not run unless 2nd circuit light is on, no GFI outlets.

Switches

Make sure all Switches are in the OFF position.

Clean Water

Connect water hose to solution tank and turn on to fill the tank with clean water.

3 Connect Prime Hose

Insert prime hose inside the recovery tank before turning on the pump to prime the unit. Fill the solution tank to the top making sure the machine is primed.

4 Prime machine

5 Hoses & Straps

Assemble your vacuum & Solution hose. Small loop goes over small hose Velcro over hose. Large 5 straps, one every five feet.

6 Vacuum & Solution hose

1. Solution hose
2. Connect your hose to vacuum
3. Push back locking sleeve, insert brass post, let locking sleeve cover spring back covering retaining balls
4. Push vacuum hose & cuff over 1.5" hose barb

7

8 Auto dump connection

Connect Auto dump with a garden hose & run hose to the toilet before turning on the waste pump

9 Dump valve closed position

10 Turn on Pump, Vacuum & Waste Pump

11

12

13 Pressure adjustment

Adjusting the pressure Do not adjust the pressure lower than 400psi

The unloader valve will chatter if you run the pump lower than 400psi

Hard Surface Cleaning and wand use



After start sequence above

1. Start in the far corner and plan your exit.
2. Do a series of 4'x6' area spraying overlap by 2" on each stroke.



Disposing of dirty water

1. Unplug the extractor and back it over a toilet or bucket
2. Slowly pull the dump-valve up and dispose of the water to the sewer system.
3. Remember to close it when done.
4. Never dispose of liquids on to the soil, outdoor gutter or into the environment.

Disposal of Water & You're Finished

When You're finished

1. Take the vacuum hose off the wand and put it into the front tank and vacuum out the remaining cleaning chemicals to the recovery tank, dump the water into a bucket or toilet.
2. Run clean water (warm if possible) throughout the machine to remove cleaning chemicals from coating internal hoses/jets.
3. Unplug the equipment, wipe it down with clean cloth and soap and return it to a safe storage area.

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Dear Customer:

Congratulations on the purchase of your new 12 Gallon Extractor.

Like any other piece of machinery or technology, extractors require the proper maintenance and care to keep the product working over extended use. Neglecting your machine, abusing it or not operating it properly can void its warranty and prevent the machine from performing to the quality and standard you'd expect.

If you have any warranty concerns or questions, please review this manual thoroughly or do not hesitate to contact your distributor. If there are questions regarding maintenance, replacement or ordering parts please contact an authorized Service Center.

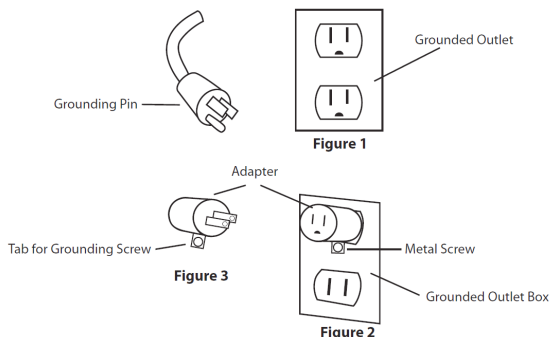
Before using your extractor, please read this manually thoroughly.

Grounding Instructions

This machine must be grounded. If it should malfunction or break-down, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord having an equipment grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local codes and ordinances. Do not remove ground pin; if missing, replace plug before use.

Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify either the plug or the machine's cord, instead have a proper outlet installed by a qualified technician.

This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (Figure 1) can be installed by a qualified electrician. When and if this type of adapter is employed, screw the adapter's extended tab into place with a metal screw. However, grounding adapters are not approved for use in Canada. Again, be sure to check the grounding pin for damages and replace if necessary. The Green, or Green-Yellow, wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to only the grounding pin.



Parts and Service

Please contact service personnel or authorized Service Center using original replacement parts and accessories for repairs. When calling for support please have your Model and Serial Number available for faster assistance.

Name Plate

The Model and Serial Number are located on the Name Plate. The Name Plate is located on the back of the machine above the dump valve.

Unpacking the Machine

When your new machine is delivered, please carefully inspect both the shipping carton and the machine for damages. If damage is evident, save both the shipping carton and the machine for inspection by the shipping company. Contact the carrier immediately to file a freight claim if there is damage.



WARNING: Failure to observe these instructions can cause personal injury to the machine operator, and/or bystanders.



Caution warnings are used to warn of immediate hazards that cause severe personal injury or death.



Always wear eye protection, gloves, long sleeve shirt and pants.



To reduce the risk of fire, electrical shock, or injury:

1. Read quick start guide and manual prior to use.
2. Unplug machine before service.
3. Use only manufacturer recommended attachments and replacement parts.
4. Never upgrade or repair this equipment without authorization from the manufacturer.
5. Do not unplug the unit by pulling on the cord.
6. Do not run over the cord with any wheeled product.
7. Do not pull or carry by the cord.
8. Do not use if the cord is damaged.
9. Do not use in areas with flammable or combustible material are present.
10. Do not allow to freeze.
11. Do not store on its side with liquids in the recovery or solution tanks.
12. Use only the appropriate handles to move and lift unit. Do not use any other parts of this machine for this purpose.
13. Keep hair, loose clothing, fingers, and all parts of the body away from all openings and moving parts.
14. Use extra care when using on stairs.
15. To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.

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16. The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.
17. When cleaning and servicing the machine, local or national regulations may apply to the safe disposal of liquids which may contain: chemicals, grease, oil, acid, alkaline, or other dangerous liquids.

Preparation

1. Remove furniture and other items from the area you are going to clean.
2. Vacuum carpet and upholstery, and remove debris.
3. Protect cabinets, walls and painted surfaces with drop cloths or plastic.
4. Inspect power cords for damage.

Operating Instructions

1. Fill Solution Tank. To use the Auto-Fill feature, hook up the male end of a garden hose to the female adapter on the outside of the solution tank and turn on the water supply. The float valve in the tank will automatically turn off when the tank is full.
2. Plug in power cords: Extractor Model: Using two separate circuits/breakers, plug in the grounded power cables as previously instructed using the proper grounding techniques. The green indicator to the right of the PSI gauge will illuminate and sound a tone when plugged into separate circuits/breakers.
 - i. Activate the switched using the following steps:
 - ii. When the hoses and tool are attached, turn pump switch on.
 - iii. Pull the trigger on the wand until water runs through the lines. If the pump does not prime, turn the pump switch off and disconnect the hoses. Connect the supplied priming hose and put the open end into the vacuum barb and turn on the vacuum motor and solution pump. Seal the hose to the barb with your hand until water is visible running through the hose. Turn both switches on and repeat from step i.
3. If using the Pump-Out feature hook up the female end of a garden hose to the male adapter on the motor base and run it to a sewer drain (ex. Toilet, janitors sink). Turn on the Waste Pump switch.
4. Pressure Adjustment: Pressure will only show on the gauge while the tool is being sprayed. When the tool is not being sprayed the pressure will read 0 psi.
 - i. To decrease pressure, turn the black knob on the motor base counter-clockwise.
 - ii. To increase pressure, turn the black knob on the motor base clockwise.
 - iii. Make your adjustment and spray the tool to check the pressure. Re-adjust as needed to set the desired pressure.
5. To prevent motor or internal damage, use a foam control solution in the recovery tank. Remember to check for buildup in both the recovery and solution tanks!
6. Empty the recovery tank when the internal shut off switch disengages the vacuum. Attach the 45° drain elbow to the drain spout located in the back and lift the dump valve to empty the tank.
7. Squeeze the wand or tool's trigger for 5 seconds after turning the power switches off to relive and existing line pressure.
8. When the machine is off: unplug the power cables, remove solution, vacuum, auto-fill and auto-dump hoses, and empty the recovery tank by attaching the 45° drain elbow.
 1. Before storing the machine, drain, rinse and dry both the tanks and vacuum hoses of any residual water.
 2. Store standing upright in a dry enclosed area.
 3. Leave the recovery tank lid open for better air circulation.
 4. If storing in freezing temperatures, take extra precautions to make sure the machine and solution systems are completely drained and dry.

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Maintenance Schedule

To keep machine in good working condition, follow the below recommended daily and weekly maintenance procedures. Relief valves should be replaced annually. Unscrew the front screw to open the tank for internal maintenance.

Maintenance item	Daily	Once a week
Clean and inspect tanks.	X	
Clean and inspect hoses.	X	
Check and clean internal filters by twisting off, rinsing with clean water and replacing.	X	
Check power supply cable.	X	
Clean machine with all-purpose cleaner and cloth.	X	
Check spray nozzles.	X	
Flush solution system with clean water	X	
Remove float and shut-off screen from tank and clean. Simply pull off.		X
Inspect vacuum hoses for holes and loose cuffs.		X
Inspect spray pattern for clogging. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counter-clockwise.		X
Lubricate wheels with water resistant oil.		X
Inspect machine for water leaks and loose hardware.		X

Filter Maintenance

All extractor models have three filters that need to be checked and cleaned after each week of use. Regular filter maintenance is a simple way to extend the life of your machines.

Vacuum Stack Filters:

Located inside of the black vacuum tank is one vacuum stack. It has one foam filter to help prevent waste material from getting into the vacuums and cause damage. To maintain this filters:

1. Remove the recovery tank lid.
2. Reach in and pull out the black filters located in the top of the vacuum stack.
3. Clean the filters under a faucet of any debris and check for damage. If the filter is not damaged, place it back in the stack. If filters is damaged and falling apart, replace it.

Pump Filters

The filter is a half-circle shaped screen located on the inside bottom of the solution tank. To maintain filter:

1. Open solution tank lid.
2. Reach into solution tank and rotate the dome-shaped filter from its brass nipple by rotating it counter clockwise.
3. Check filter for any debris or damage to screen. Rinse filter of any debris or replace if damaged.

4. Place new or cleaned filter back onto brass nipple by rotating it clockwise.

(Additional inline filter inside the machine)

Inline Pump Filter (additional Instructions)

1. Remove the screw that holds the solution tank and the base together from the front of the machine.
2. Locate the inline filter on the clear solution hose, from the solution tank to the pump. Take off the clear housing of the filter by turning it counter clockwise
3. Check filter for any debris or damage to screen. Rinse filter of any debris or replace if damaged.
4. Place new or cleaned filter back into housing and install housing back into base by rotating it.

Pump Out Filter

1. Remove recovery tank lid.
2. Remove pump out filter by turning counter-clockwise.
3. Rinse the filter with water from the inside out.
4. Replace filter by turning clockwise.
5. Replace recovery tank lid.

Trouble Shooting

There is no power.

1. Plug power cord(s) in proper outlet(s).
2. If using two cords, make sure each is plugged into a separate circuit.
3. Check circuit breaker and reset if tripped. There should not be any additional items in use on the same circuit as the machine and the outlet must be a 20-amp circuit.

Pump does not work properly

1. Snap quick disconnects firmly together.
2. Check solution tank; may be empty.
3. Jets clogged, remove jet and flush clean.
4. Filters clogged, remove filters and rinse clean with water. One filter is in the bottom of the recovery tank and the secondary filter is located in the motor area. Be sure to unplug the machine and turn all switches to the off position prior to cleaning.
5. If brass check valve is stuck, replace valve.
6. Check pump wire. May need to reconnect wire.
7. Switch plate may need to be replaced.
8. If pump motor brushes are worn, replace pump.

Vacuum motor does not work properly

1. Check that hose is tightly connected.
2. Close drain valve completely.
3. Secure the vacuum tank lid tightly.
4. If water is coming out of the vacuum motor, use a low foaming detergent.
5. Clean upholstery tool or floor wand jets.

