

5.0 Maintenance

Regular maintenance is required to keep your Carpet Extractor in proper working condition. Failure to properly maintain your machine could void warranty. Thoroughly clean all equipment and accessories after each use:

- Rinse the solution and recover tanks with clean water.
- Flush the pump system with clean water, including all hoses and wand(s).
- Do not allow water to remain in the tanks after use.
- Lubricate all quick disconnects with WD-40 or similar lubricant.
- Clean vacuum float assembly screen.

WARNING: Disconnect electrical power cord before performing any service or maintenance inside the machine base or before testing or repairing switches or power cords. Failure to do so may result in severe personal injury or death.

Operation	Interval
Clean Chemical Feed Filter	Daily- After Each Job
Clean Vacuum Assembly Screen	Daily- After Each Job
Rinse Out Recovery Tank	Daily
Flush Solution Tank and Pump	Daily
Clean Pump-Inlet Filter	Weekly - As Needed

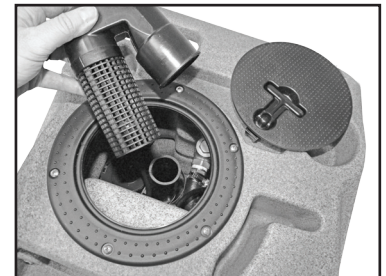
5.1 Clean Fresh Water Tank Filter

The fresh water tank filter is located at the bottom of the solution tank. Unscrew the filter counterclockwise and rinse with fresh water. If necessary, use a tooth brush to remove detergent build-up. Note, a heavy build-up is a warning sign that the solution system should be flushed. See the “Flush Chemical System” section.

5.2 Clean Vacuum Float Assembly Screen

Inside the recovery tank, on top of the stand pipe, is the vacuum float assembly. It functions to prevent debris and water from being sucked into the vacuum motors. Operating the Carpet Extractor without the float assembly or with a poorly maintained assembly, will greatly decrease the life of the vacuum motors and will void the warranty.

If debris builds up on this filter, it will reduce the vacuum air flow and may cause a significant decrease in the rate of water recovery. If debris prevents the float ball from moving or seating inside the assembly, it may not stop the airflow when the tank fills with water and the water will be sucked in the vacuums and blow out the exhaust.



Vacuum Float Assembly

To clean, twist off the float assembly from the stand pipe and clean the screen. Pull fibers and lint off and rinse with clean water. Push the assembly back onto the stand pipe and replace the recovery tank lid.

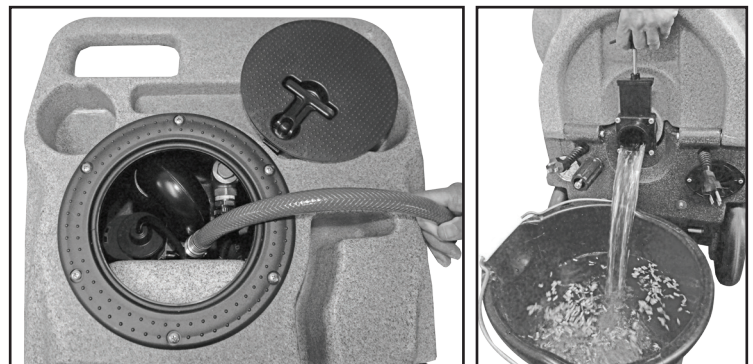
This screen should be cleaned frequently if the Carpet Extractor is being operated in an environment which has an abnormal build-up of lint and debris, such as cleaning newly installed carpet. Loss of vacuum is most normally associated with lint build-up in this filter at the top of the vacuum stand pipe.

5.3 Rinse Out Recovery Tank

Build-up of fine silt and debris can damage the auto-dump pump and dump valve. Clean out the recovery tank on a regular basis to extend the life of these components as well as keep the tank and machine smelling better.

To rinse out recovery tank, remove the recovery tank lid and open the dump valve. Place a bucket under the dump valve. Use a hose to rinse the dirt and debris out of the recovery tank. Close the dump valve and spray the tank with deodorizer or disinfectant.

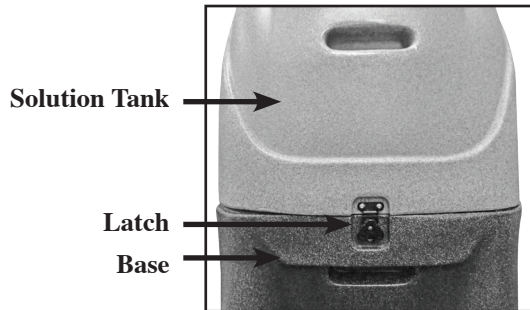
Proceed to waste pump cleaning and replace the recovery tank lid. Dispose of dirty water and debris.



5.4 Clean Pump Inlet Filter

CAUTION: before proceeding with this procedure, make sure both the power cords are disconnected.

- To examine the filter, open the solution tank lid on the front of the machine. The filter is in the bottom of the solution tank.
- Grasp the filter cap and unscrew the filter from the brass nipple by turning counter-clockwise. Clean or replace the filter as needed.
- Tilt the tanks back onto the base and secure the latch.



1/4" Acorn Strainer
Part No. 10-0845

To prevent moisture from damaging the vacuum motors during storage, empty the recovery tank and store with the lid open.

6.0 Storage and Freeze Protection

You must winterize your Carpet Extractor to protect the pump system from freezing and also damage being caused to fittings and valves. Damage due to freezing is not covered under the Warranty. Store your extractor in temperatures over 40 degrees Fahrenheit. If you plan on storing your extractor in freezing conditions or for a long period of time, the following procedure should help prevent your Carpet Extractor from freezing and prevent pump and seals from drying out.

Recommended Procedure for Storage

- In a separate container, mix 1/2-gallon of water with 1/2-gallon of automotive radiator antifreeze (ethylene glycol type). Mix well and pour into the solution tank.
- Connect the pressure hose to the female quick disconnect (QD) on the front of the machine. Insert an open-ended male QD into the female QD on the end of the pressure hose.
- When primed, turn down the pressure to 100 PSI.
- Disconnect the open-ended QD and connect the solution hose to the male QD at the auto-fill/chemical feed connection. **CAUTION:** applying high pressure (over 100 PSI) to the chemical feed system will damage the mechanism.
- With the chemical feed supply tube at the bottom of the solution tank, turn on the pump and allow to circulate for 10 minutes. Check to make sure the chemical supply tube is drawing the antifreeze solution. This will introduce antifreeze into the chemical feed system.
- Disconnect the solution hose from the chemical feed and allow the system to bypass for 10 minutes. This will work antifreeze into the pressure gauge.
- Attach wands and hand tools that will also be stored with the Carpet Extractor. Open the valve for 30 seconds, directing the spray to the solution tank. Disconnect the hose and with the valve open and the jets pointing down, depress the dimple on the male QD. This will drain the solution out of the tool. Drain thoroughly before storing.
- Turn off the pump and disconnect all hoses and tools. Vacuum out the solution tank and thoroughly drain the recovery tank and vacuum hose.

To return to service, flush the pressure system by repeating the above steps, using fresh water in place of antifreeze.