

THE Grease Gator™ Aqueous Parts Washer System

SETUP & OPERATION MANUAL



Grease Gator Elite



70 King Street
Elk Grove Village, IL 60007
847-437-1100

Grease Gator Setup

Your Grease Gator Parts Washer comes fully assembled. If damage has occurred during shipping, contact the carrier and file a claim. Each parts washer has been tested and quality inspected before being assembled and packed.

Follow these steps to setup your new parts washer:

- a. Cut shrink wrap and banding off of box. Lift box up and off of the parts washer. During shipping, the parts washer lid is closed and the drum will be sitting on a wood pallet.



- b. Select location for the parts washer. It should be level, away from cold drafts (to minimize heater load) and have access to two outlets from a grounded 15 amp circuit. See Appendix 1 for further information on location selection.

Place the parts washer. With two people and leaving the lid closed, move the unit to the location selected. The sink is attached to the drum with thumb screws to allow it to move as a single unit (Please note, the parts washer should not be moved filled with water. Also, the thumb screws are not strong enough to hold a filled drum).



Use two people to move

If you are using the Energy Saver Pak, place the Grease Gator Insulation Mat on the floor where the parts washer will sit. If not, simply sit the parts washer in its selected location.

Please note that placing the Grease Gator directly on a concrete floor will require the heater to work more. See Appendix 1 for more information on energy savings.



- c. Filling the parts washer:

- 1) Remove the tape over the drain in the sink. This tape holds the crumb cup and drain screen in place during shipping.

- 2) Add the water FIRST (before chemical) to reduce foaming. To add the correct amount of water, fully open the oil purge valve on the side of the drum before beginning to fill with water. Place a bucket under the valve to catch excess water. Then, fill with water through the drain hole in the sink. Use warm water to minimize the wait for the heater to bring the water to the operating temperature. Keep adding water until it begins to come out of the open valve. The water will begin by dribbling out, so be sure to stop adding water to the sink as soon as this occurs and then close the valve.



valve closed



valve open



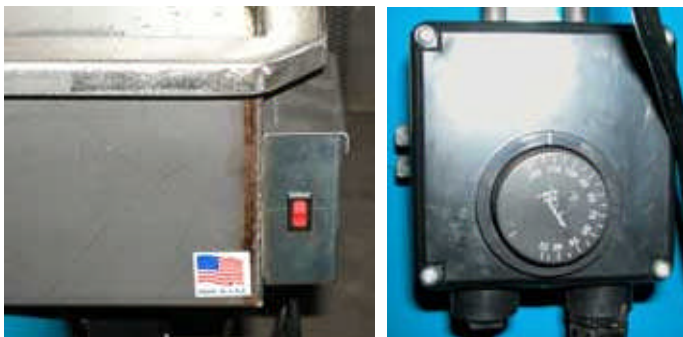
add water

3) Add the entire 5 gallon container of aqueous cleaning solution by pouring it down the drain.



add cleaning solution

- d. Plug the heater into the wall. Plug the pump into the switchbox on the parts washer. Plug the switchbox into the wall. Turn on the switch on the parts washer. Set the heater to 110 ° F.



- e. Your Solvent Systems International Aqueous Grease Gator parts Washer is ready to clean as soon as it reaches operating temperature!
- f. When unit is at operating temperature, add two quarts of waste oil directly into sink. This will make a good demonstration to display the parts washer to operators who will be using the machine. Point out that the oil goes down the

drain and will not change the color of the cleaning solution. After a minute or two, open the waste oil discharge valve to release the captured oil. Allow the oil to discharge until water first comes out, then, close the valve

Appendix 1

When considering the placement of your Grease Gator consider the results of this Energy Usage Analysis.

Energy Usage Analysis, Grease Gator Elite

	KW used per 24 hrs	Estimated cost per day	Dollar savings per month	% cost savings
No Timer....on concrete	6.75	0.54	0.00	0
No Timer....on Grease Gator Pad	4.38	0.35	5.77	35%
Timer....on concrete	3	0.24	9.13	56%
Timer....on Grease Gator Pad	2.59	0.21	10.12	62%

Notes:

Estimated cost per day is based on .08 per KW and a 7 day week.
 Dollar savings per month is versus "No Timer....on concrete".
 % cost savings per day is versus "No Timer....on concrete".

Add a Chemical, Triple Rinse Container



☑ When adding the 5-gallon container of Cleaning Solution during initial setup be sure to triple rinse the container to assure that all contents are added.



☑ When adding the 1-gallon container of Cleaning Solution be sure to triple rinse container to assure that all of the contents are added. **For normal use, add one gallon of Cleaning Solution every 90 days.** Use the calendar sticker on the Grease Gator to keep track of when to add.



☑ When adding the bottle of Anti-Rust be sure to triple rinse the container to assure that all of the contents are added. **Anti-Rust is added during initial setup and once a year thereafter.**

☑ If the Grease Gator Cleaning Solution or Anti-Rust are stored at cool temperatures, solids may form in the containers. This is normal.

☑ Triple rinsing all containers into the Grease Gator sink will assure all required contents make it into the solution.

Check Water Level Every Week



1. The drain screens must be removed to check the water level.



2. Water level is low if you can see the top of the drain pipe as shown above.



3. Add water by pouring directly into drain. Use warm water to speed heating time.



4. Water level is correct when you cannot see the top of the drain pipe as shown above.

Note: When the water level is too low, no oil will come out of the Oil Purge Valve when attempting to purge oil.

Clean the Drain Screens Every Week



- 1.** Remove top drain screen for cleaning. **2.** Knock the top drain screen against a hard surface to dislodge the sediment. The side of a garbage can works well to collect the waste at the same time.



- 3.** Remove the bottom, longer drain screen for cleaning. **4.** This drain screen is finer than the top screen and the sediment caught by this screen will not come out as easy. Knock against a hard surface but also compressed air can be used to blow it out.

Purge Oil Twice a Week



1. Open the oil purge valve until the oil stream begins to come out.



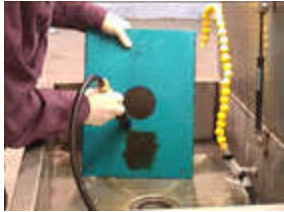
2. Leave the oil purge valve open at that position until the oil stream begins to flutter as water gets mixed into the stream. You may also notice the color of the oil stream to begin to lighten when water begins to be mixed in. At that point, close the oil purge valve. Oil purge is now complete.

Notes:

☑ If nothing comes out when the oil purge valve is opened, check the water level, it is likely low and therefore the oil cannot be pushed out.

☑ Purge the oil two times a week to eliminate the possibility of long-term emulsification of the oil. This may occur if the used oil is allowed to sit in the reservoir for very long period of time. Purge the oil more frequently during heavy use.

Clean Large Parts from Top to Bottom



1. Begin cleaning at top of dirty part.



2. Continue cleaning to the bottom of the dirty part. This assures that soil does not re-deposit back onto clean part.

Notes:

☑ The difference in cleaning style from other types of parts washers where bottom to top cleaning is acceptable is the low emulsifying property of the Grease Gator Cleaning Solution. The Solution washes the contaminant off of the part; it doesn't dissolve the contaminant which allows the purification system to remove.