

**SOLVENT SYSTEMS INTERNATIONAL  
PURIGATOR™ – FLUID PURIFICATION SYSTEM**

**PuriGator™ Setup Instructions**

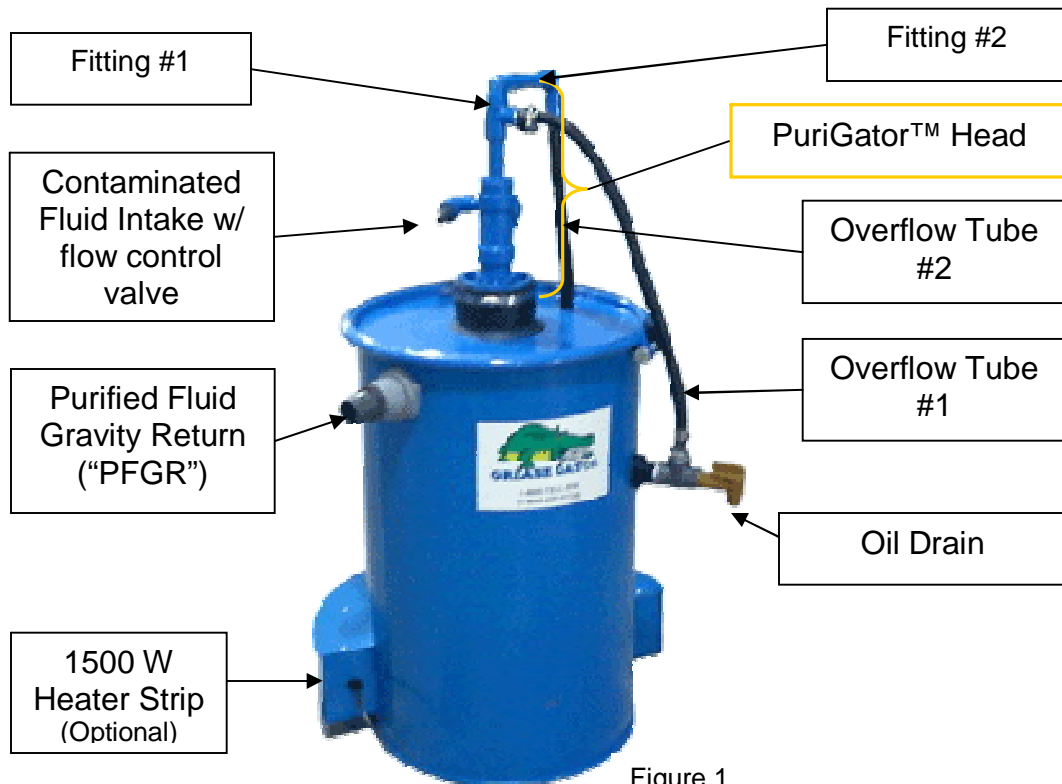


Figure 1

**Step 1: Unpack and Select a Location**

1. Care should be taken that proper tools are used at all times. Proper safety precautions should be taken while assembling and using the PuriGator™ fluid purification system.
2. Carefully cut shrink and banding off package. Lift PuriGator™ and box off wooden pallet.
3. Select location near contaminated fluid tank to place PuriGator™. This location should have access to 120V/60 Hz/20A service.



## PuriGator™ Setup Instructions

---

### Step 2: PuriGator™ Assembly

1. Attach PuriGator™ Head to rubber bushing on top of drum with clamp provided.
2. Attach Overflow Tubes (hoses). Be careful to attach as shown in figure 1. The hose coming off the Oil Drain should be attached to Fitting #1 (see Figure 1). The hose coming out of the drum should be attached to Fitting #2 (see Figure 1).
3. Measure number of inches of fluid fluctuation in sump. To determine number of inches of fluid fluctuation in the sump, measure the highest and lowest levels of liquid in the sump and subtract these levels from each other. Cut black neoprene hose to length of fluid fluctuation.
4. Attach and clamp one end of the neoprene hose to the bottom of the Tri-Float weir. Attach and clamp the other end of the hose onto the barbed fitting on the front of the red pump.

---

### Step 3: Installation

1. Position the PuriGator™ to allow gravity discharge from PFGR back into sump/reservoir. Attach one end of 1½ inch hose onto barbed fitting of the PFGR. Place the other end of the hose into the sump/reservoir.
2. Add 25 gallons of clean fluid to drum by lifting the drum lid and pouring or pumping clean solution into the drum. This step is necessary to prime the PuriGator™ system.
3. Place 5 gallon pail or similar under oil drain to collect waste.
4. Submerge pump into solution 2 inches below lowest level of fluid in sump/reservoir. Check to make sure that there are no kinks in hoses. Secure pump to sump/reservoir basin with a “C” clamp.
5. Measure distance from top of pump (discharge end) to the Contaminated Fluid Intake fitting on the PuriGator™ (Figure 1). Cut black hose the length of this measurement and connect hose from pump discharge end to Contaminated Fluid Intake barbed fitting
6. Position the intake weir and the hose coming off the PFGR apart from each other to optimize oil removal.
7. Use caution as you are working around fluids and it is critical that your hand and gloves are completely dry. Plug pump into a standard 120V electrical outlet. The System is now operational.



## PuriGator™ Setup Instructions

### Step 4: Operation

1. To operate the PuriGator™, simply plug the pump into a standard 120V electrical outlet. Note there is no “on/off” switch to the pump or the PuriGator™ system. To turn the system on and off, simply plug and unplug the power cord of the pump.
2. The only maintenance that should be required is the periodic decanting of oil from the system. To decant the oil, slowly open the oil drain valve until a thin stream of oil is released into the 5 gallon waste pail. When the liquid lightens in color, close the valve.
3. Upon initial installation, the amount of oil decanted may be quite small. This is because the PuriGator™ oil separation system requires some degree of priming. Be aware, however, that once this priming has occurred, it is important for regular decanting to be performed to optimize the efficacy of the PuriGator™ system.

**Note:** *The amount of oil collected will depend on individual circumstances. The more oil in your system, the more often you will drain the oil from the system.*

