

## WARNING CENTRIFUGAL PUMP SAFETY

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface, or render inoperable any of the safety devices or warnings on this equipment. **IF** any safety devices or warnings have been removed, defeated, defaced, or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

**⚠WARNING:** Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize your exposure, avoid breathing exhaust, do not idle the engine except as necessary, operate and service your equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

- Use extreme caution whenever operating, moving, loading or unloading this equipment. During and after operation the Muffler and other components are Extremely Hot and will cause Serious Burns.
- Never operate power equipment of any kind if you are tired or if you are under the influence of alcohol, drugs, medication or any substance that could affect your ability or judgment. Be alert! If you get tired while operating this equipment, take a break. Tiredness may result in loss of control.
- Provide adequate ventilation when operating this equipment. Internal combustion engines consume oxygen and give off deadly carbon monoxide gas.

**OPERATING INSTRUCTIONS: Before starting the pump, do the following:**

1. Fill the pump volute full of water. **NOTE:** If this is not a self-priming pump, you will have to repeat this operation each time you restart the pump for another pumping cycle. If the pump is self-priming, just the initial fill of the volute is all that is necessary. Any further restarts of the pump will automatically restart the prime.
2. Make sure your suction hose is properly connected in an air-tight fashion to the pump fittings. Be sure the hose washer is in place to ensure that it is air-tight.
3. Position your suction and discharge hoses so they are not subject to hazards such as being run over by trucks or other equipment.
4. Turn the pump engine over by hand to be sure the pump impeller is free from rocks or trash.

**To start and prime the pump** turn the throttle to full on. It may be necessary to put the choke in a closed position if the pump has not been run for several hours. After the engine is started, push the throttle back to an idle position to allow the pump engine to warm up for a few minutes. Place the suction hose in the area you wish to pump out. After the engine is warmed up, pull the throttle to approximately  $\frac{3}{4}$  throttle. Allow the pump several minutes to pick up the prime if you have to lift the water any height.

### MAINTENANCE INSTRUCTIONS:

1. To maintain the pump, check the engine oil often and maintain the proper level.
2. Retighten, if necessary, loose bolts and nuts.
3. Refill with clean gas.
4. Depending on the model and brand of the pump, maintain the proper oil level in the pump itself, or if it is the style pump that uses grease to ensure air tightness, turn the grease cap one full turn each day. If this is not done, your pump will begin sucking air, and this will prevent it from pumping water.

**CAUTION:** Be sure that pump is on level ground, and see that the level position is maintained while the pump is operating. **CAUTION:** during freezing weather, it is a good idea to drain the pump at night to avoid having the water inside the pump freeze and split the pump housing open. **CAUTION:** Again, when operating the pump, be sure the hoses are not subject to hazard.

### SAFETY INSTRUCTIONS:

For safety's sake, do not refill the fuel tank while the engine is running or hot. Allow it to cool down first. Also, when lifting the pump, get help. These pumps can be awkward to lift, and the trash pumps can be quite heavy for one man to lift. In addition, when lifting the pump in or out of the truck, make sure that you do not come into contact with the muffler if it is hot. **This can cause severe burns** on arms, chests, or cheeks.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment,

**DO NOT USE!! CALL A TOOL SHED IMMEDIATELY!!!**

**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH.**