

WARNING DIAPHRAGM 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

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.

APPLICATION:

Diaphragm pumps, commonly referred to as mud hog pumps, can be used in most pumping applications. However, they are designed primarily for pumping very dirty or muddy water. Because of their low volume in comparison with centrifugal or trash pumps, they can be used for pumping muddy water out of a ditch or other type of opening in which the water is slowly coming into the ditch or opening. Because they pump slowly, they have a tendency to keep up with the incoming water.

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

Fill the pump volute full of water. **NOTE:** If this is not a self-priming diaphragm pump, you will have to repeat this operation each time you restart the pump for another pumping cycle. If the pump is self-priming the initial fill of the volute is all that is necessary. Any further restarts of the pump will automatically restart the prime. Once the volute is full of water, it will normally take one or two minutes for the prime to be picked up & the pump to start pumping water.

Make sure your suction hose is properly connected in an airtight fashion to the pump fittings. Be sure the hose washer is in place to ensure that it is airtight.

Position the suction & discharge hoses so they are not subject to hazards like being run over by trucks or other equipment. Turn the pump engine over by hand to be sure the pump is free of rocks or trash.

To start the pump, turn the throttle to full "on" -- it may be necessary to put the choke in a closed position if the pump is cold & 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 1/4 throttle & allow the pump several minutes to pick up the prime if you have to lift the water any height.

MAINTENANCE INSTRUCTIONS:

Check the engine oil every 4 hours & maintain the proper level. Retighten, if necessary, any loose bolts & nuts. Refill with clean gasoline only. Never refill when engine is hot or running. Keep rocks & other debris away from the rubber diaphragm, as they may rupture the diaphragm, causing air loss & an inability for the pump to suck water. **CAUTION:** Be sure that the pump is on level ground & see that the level position is maintained while the pump is operating. This is to insure proper oil lubrication.

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