



Using the Simplite Diaphragm Pump

1. Protective equipment must be worn as well as ear defenders.
2. Set the pump in position and connect the suction hose and strainer ensuring the strainer is not blocked and is completely submerged. If there is an air leak in the suction hose the pump will not work efficiently.
3. Connect the discharge hose and lay it out carefully to the selected discharge area.
4. After starting the engine the pump will self-prime and start pumping the liquid.
5. If pumping dirty liquids, with solids in the suspension, the inlet filters must be cleaned in accordance with the machines instructions.
6. Stop the engine before re-siting the unit, moving the hoses or cleaning the filters.
7. Keep a check on the discharge area to make sure that no hazard is being created.
8. After work flush the pump by pumping clean water through it especially after pumping muddy water or seawater.
9. In cold weather prevent the pump from freezing up when not in use.
10. If the equipment does not work properly do not attempt to repair it. Contact should be made with the hire company.
11. Please keep this leaflet until the work is completed.

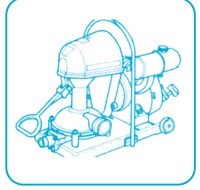
Please keep this leaflet safely as it may be required for future reference

Simplite Diaphragm Pump

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Simplite Diaphragm Pump

1. Petrol is highly flammable care must be taken not to cause fire or explosion.
2. The diaphragm pump is designed for pumping muddy water, sludge, and other liquids on building site, rivers and other similar places.
3. The action of this pump can cause damage and possibly injury if the equipment is not used in a careful and controlled way.
4. If the operator has not used this type of water pump before, they must familiarise themselves with the equipment before starting any work.
5. Plan any work and think ahead to make sure tasks are carried out safely.
6. The following items of personal protective equipment; ear muffs or plugs giving protection for levels up to 95 dB (A); gloves.
7. The equipment must not be used by minors or by anyone under the influence of drugs or alcohol.
8. The Simplite pump is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



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STOPPING THE ENGINE

1. Turn the engine switch to the off position.
2. Turn the fuel valve off.

STARTING FROM WARM

1. Set the choke lever to the fully open position and check that the fuel valve is open.
2. Follow the rest of the instructions from instruction 5 onwards, given in the section "starting from cold" above.

STARTING FROM COLD

1. Open the fuel valve, which is located under the petrol tank.
2. Close the choke by raising the small lever on the carburettor body into the horizontal position. The carburettor is located on the engine just below the end of the petrol tank.
3. Switch the ignition to the ON position.

Before Starting Work...

1. The switch is on the body of the engine just left of the recoil starter handle..
4. The engine speed is controlled automatically.
5. The left hand is needed to hold the unit to stop it moving.
6. With the right hand, pull out the starter handle slowly until the starter has engaged with the engine, then pull it quickly and strongly. Do not pull it too far or it may break.
7. Guide the cord back into place so that it recoils correctly.
8. If the engine is now running set the choke control to half open position by pushing it down towards vertical. It can be opened completely once the engine has warmed up.
9. If the engine did not start, check that there is sufficient petrol and oil, and that all controls are in the correct positions. Pull the starter cord again.
10. In cold weather allow the engine to warm up before starting work.

STARTING FROM WARM

1. Set the choke lever to the fully open position and check that the fuel valve is open.
2. Follow the rest of the instructions from instruction 5 onwards, given in the section "starting from cold" above.

STOPPING THE ENGINE

1. Turn the engine switch to the off position.
2. Turn the fuel valve off.

STARTING FROM COLD

1. Open the fuel valve, which is located under the petrol tank.
2. Close the choke by raising the small lever on the carburettor body into the horizontal position. The carburettor is located on the engine just below the end of the petrol tank.
3. Switch the ignition to the ON position.

WORK AREA

1. Do not use the pump where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. If the pump is being used near and area where there is a risk of falling in to the water, ensure that the area is clear and safe and that no-one is near to the operator to distract them.
3. To protect others from danger it is important to make them aware that the machine is in operation and place barriers around the area.
4. Ensure the pump is sited on a firm level base; secure it to prevent accidental movement.
5. Check the area where the water will be discharged, and ensure that the operator will not create a hazard for others or the environment.

OPERATORS

1. The following items of personal protective clothing (PPE) are the minimum that should be worn whenever the pump will be in use. Particular jobs or environments may require a higher level of protection.
2. The equipment is likely to cause noise levels of up to 95 dB(A) – appropriate ear muffs or plugs must be worn giving hearing protection for this level as a minimum.
3. Waterproof gloves to protect hands.
4. Co-workers close to the operator must also wear appropriate personal protective equipment.

SIMPLITE PUMP

1. The pump, engine and all equipment must be checked, if any damage is found – do not use the machine.
2. Before starting the machine, ensure all hose connections are tight.
3. The hoses must be laid out free of any kinks or sharp bends.
4. Do not operate the pump without the strainer fitted.
5. The strainer must be fully immersed in the liquid to be pumped.
6. The pump is self-priming and will start pumping as soon as the engine is running.
7. Regular checks of the strainer must be carried out to ensure there are no blockages.
8. Do not allow vehicles to run over the hoses at any time.
9. Do not allow vehicles to run over the hoses at any time.
10. It is important the operator is aware of how to use the equipment and how to stop it before any work is carried out.
1. No smoking.