



1405 Safety Guidance



Using the Diaphragm Pump

- Wear your protective equipment if you are working on or near the pump
- 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. Do not use this pump without the strainer properly
- Connect the discharge hose and lay it out carefully to your selected discharge area.
- After starting the engine, the pump will start pumping the water immediately.
- If the pump operates but fails to pump water effectively, it is probably because there is an air leak in the suction hose or connection, or the strainer is not fully immersed; or the strainer is blocked.
- When pumping dirty waters with solids in suspension, the strainer may need regular
- Stop the engine before re-siting the unit; moving the hoses; or cleaning the strainer or any filters.
- Keep a check on the discharge area to make sure that no hazard is being created. Do not pollute rivers or drains - if in doubt check with the hire company of local Environment Agency – you can find their number in the telephone directory.
- Do not allow vehicles to run over the hoses at any time, unless you are using layflat discharge hose.
- 10. After pumping dirty or contaminated water flush the pump through with clean water if possible.
- 11. In cold weather prevent the pump from freezing up when not in use contact the hire company if you plan a lot of work in freezing conditions.
- To protect the engine and help starting it is advisable to keep the machine under cover when not in use.
- 13. If your equipment does not work properly do not attempt to repair it. Contact the hire company

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







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lever and turn the fuel tap off.

To stop the engine, closet he throttle

eudiue warms up open the choke

throttle so the engine is idling. As the

If the engine has started adjust the

strongly. Don't pull it too far, or it may

with the engine, then pull it quickly and

can feel that the starter has engaged

firmly so it will not move when you pull

special instructions, follow them, if not

1. If the hire company have given you

e. Pull the starter cord slowly until you

2. Make sure that you hold the drive unit

4. Open the throttle control a little.

S. Check the fuel and oil levels.

3. Turn the fuel tap on.

7. Guide the cord back into place so that







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it recoils correctly.

spill any fuel on yourself or the machine.

- around it to prevent dirt falling into the Clean the filler cap and the area 3. Stop the engine and let it cool down.
- 1. No smoking.

before the pump is started, it must be Find out how the controls work

- 6. This pump is self-priming and will start the water to be pumped.
- 2. The strainer must be fully immersed in
- 4. Do not operate this pump without the
- The hoses must be laid out, free of any
- connections are tignt.
- 2. Before starting, ensure all hose confact the hire company.
- damaged, do not use the pump strainer. It anything is found to be 1. Check the pump, engine, hoses, and

DIAPHRAGM PUMP













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 Diaphragm Pump

- 1. Petrol is highly flammable. Take care not to cause a fire or
- 2. This pump is designed for pumping clean and dirty water with solids in suspension, on building sites and other similar
- 3. Pumping water can cause damage and possibly injury If the operation is not planned and controlled.
- If you have not used this type of water pump before, familiarise yourself with the equipment before you start work.
- You must have at least the following items of personal protective equipment: ear muffs or plugs giving protection for levels up to 95 dB(A); gloves.
- This equipment must not be used by minors, or by anyone under the influence of drugs
- This 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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bersonal protective equipment. will also need to wear appropriate Anybody who is working near to you

brotect your hands. Wearing waterproof gloves can help to ацикіид.

hands before smoking, eating or waterproof dressings. Wash your Cover any cuts or broken skin with harmful bacteria and other hazards. Dirty or stagnant water can contain ำนทนแนเน

pearing protection for this level as a appropriate ear muffs or plugs giving levels up to 95 dB(A) - wear This equipment is likely to cause noise

require a higher level of protection. Particular jobs or environments may whenever you use this pump. minimum that should be worn protective equipment (ppe) are the The following items of personal

OPERATORS

uice company. need a pump with more lift, contact the equipment can pump water - this is sometimes called the "head". If you There will be a limit on how high the

discharged into rivers or down drains. environment must not be and other liquids that are hazardous to the environment. Contaminated water be creating a hazard for persons or for discharged. Make sure that you will not Check the area where the water will be people.

not create a hazard to vehicles or vehicles. Also make sure that they will where they will not be damage to Route the suction and discharge hoses movement

pase; secure it to prevent accidental Ensure the pump is sited on a firm level releptione directory.

you can find their number in the company or local Environment Agency environment, check first with the hire that may be hazardous to the contaminated water or other liquids 4. If you are intending to pump

near to you or could distract you. is clear and safe and that no-one is to be pumped, make sure that the area If there is a risk of falling in to the water be required.

extraction ventilation will almost always has been fully assessed. Mechanical suitability and the ventilation required use it in other indoor situations if its use it in domestic premises and only carbon monoxide poisoning. Never confined spaces could cause Using this equipment indoors or in

fumes from petrol, or gas cylinders. danger of explosion. It will ignite Do not use this pump where there is a

WORK AREA

THE ENGINE STARTING AND STOPPING

follow the instructions below.

- move your fuel can to a safe, cool 8. Put all fuel caps back on properly, and change them straight away.
- 7. If you spill any fuel on your clothes, it up or cover it with soil.
- If you spill any fuel on the ground, wipe Dispose of fuel soaked cloth carefully. 2. Wipe any tuel off the machine.

- 4. Use a funnel when refueling. Do not

BEFUELLING

known how to stop it. bnublud se coou se the engine is

- strainer fitted to the inlet hose.
- kinks or sharp bends.

Before Starting Work...