Useful Reference Points • www.hae.org.uk/businessguard

Before Starting Work.

AAHA XHOW

- a danger of explosion. It will ignite tumes from petrol, or gas cylinders. Do not use this pump where there is
- use it in domestic premises and only use it in other indoor situations it its uitability and the ventilation required has been **fully** assessed. Using this equipment indoors or in confined spaces could cause fatal Never and carbo polisoning. Never **.**2
- one is nearby who could cause a If there is a risk of falling into the water to be pumped, make sure that the area is clear and safe and that no appoint of the property and partice of 3 Mechanical extraction ventilation will almost always be required.
- company or local Environment Agency their number can be found If the work involves pumping contaminated water or other liquids finat may be hazardous to the environment, check first with the hire °t distraction.
- accidental movement. Ensure the pump is sited on a firm level base; secure it to prevent **'**C in the telephone directory.
- Route the suction and discharge hoses where they will not be damaged by vehicles. Also make sure that they will not create a hazard to vehicles or people .9
- Check the area where the water will be discriteded. Make sure that a hazard will not be created for persons or the environment. Contaminated water and other fiquids that are hazardous to the environment must not be discripted .7 to vehicles or people.
- There will be a limit on how high the environment must not be discharged into rivers or down drains.

bility p

ent and Statutory Instruments

- equipment can pump water this is sometimes called the 'head'. If a

3YT TEB Iludilos

The Crescent Birmingham Business Park

Association Europe

มกอา รมมอติอม กระ

'†

.S.

'

·ŧ

3

.2

1

CPERATORS

DIAPHRAGM PUMP

protective equipment.

to protect the hands.

.muminim s ss ievei

effort has been made by HAE/EHA to ensure that the inform

- Do not operate this pump without the

Before starting, ensure all hose connections are tight.

Check the pump, engine, hoses and strainer. If anything is found to be damaged do not use the pump -

Anyone who is working nearby will also need to wear personal

Wearing waterproof gloves can help

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

This equipment is likely to cause noise levels up to 95 dB(A) – pe worn giving protection for this be worn giving protection for this level as a minimum.

Particular jobs or environments may require a higher level of protection.

protective equipment (ppe) are the minimum that should be worn whenever this pump is used.

The following items of personal

pump with more lift is needed,

contact the hire company.

- The hoses must be laid out, free of any kinks or sharp bends. 31

- strainer fitted to the inlet hose.







contact the hire company.

44 (0) 121 333 4109







immersed; or the strainer is blocked.

3

4.

5.

6.

7.

8

9

13.

area

cleaning.

or any filters.

hose is being used.

cover when not in use.

water if possible.

hire company.

- Wear the protective equipment if working on or near the pump. 1
- 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 attached.

After starting the engine, the pump will start pumping the water immediately.

Connect the discharge hose and lay it out carefully to the selected discharge

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

When pumping dirty waters with solids in suspension, the strainer may need regular

Stop the engine before re-siting the unit; moving hoses; or cleaning the strainer

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 or local Environment Agency – their number will be in the telephone directory.

Do not allow vehicles to run over the hoses at any time, unless a layflat discharge

10. After pumping dirty or contaminated water flush the pump through with clean

11. In cold weather prevent the pump from freezing up when not in use - contact the

12. To protect the engine and help starting it is advisable to keep the machine under

If the equipment does not work properly do not attempt to repair it. Contact the

hire company if a lot of work is planned in freezing conditions.

14. Please store this leaflet safely. It may be required for further information.

- 2.

For guidance on managing

construction health risks go to

www.hse.gov.uk/construction

Using the Pump

Diesel 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 Pump**

1406 Safety Guidance

1. Diesel fuel is flammable - take care not to cause a fire or



This pump is designed for pumping clean and dirty water with solids in suspension, on building sites and other similar





- Pumping water can cause damage and possibly injury if 3.

v:032017



- the operation is not planned and controlled. If the operator has not used this type of water pump before, they should familiarise 4.
 - themselves with the equipment before starting work.
 - The work should be thought out and planned ahead to ensure that it will always
- be carried out safely.
- The following items of personal protective equipment must be worn as a
- minimum:
- Ear muffs or plugs giving protection for levels up to 95 dB(A);
- Dust mask a minimum of EN149 FFP3(s) protection;
- Gloves.

7.

This equipment must not be used by minors, or by anyone under the influence of drugs or alcohol.

- 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.
- 8



www.hae.org.uk

trying to start the engine.

.s

1

- 8

'2

.9

·9

·Þ

3

.2

1

-7

'9

·c

ENGINE

bisce.

carefully. Dispose

machine.

the fuel tank.

ио гшокид.

known how to stop it.

BEFUELLING

6uinnn si

llids

Check the oil and fuel levels before

If the hire company has given special instructions follow them. Otherwise, follow the instructions given below

STRATING AND STOPPING THE

Put all tuel caps back on properly, and move the fuel can to a safe, cool

If any fuel is spilt on clothes, they

If any fuel is spilt on the ground, wipe

Wipe any fuel off the machine

Use a funnel when refueling. Do not

Clean the filler cap and the area around it to prevent dirt fulling into

Stop the engine and let it cool down.

Find out how the controls work -before starting the pump, it must be

start pumping as soon as the engine

Iliw bas gniming-fles si qmuq sidT

The strainer must be fully immersed

in the water to be pumped.

any fuel on persons or the

inei soskea

CIOLD

- '8

'2

.9

·9

cold.

· (IIISEA

could get caught.

IDLE position.

.nomeoq

should be changed straight away.

it nb or cover it with soil.

10

©Copyright Hire Association Europe April 2011

Any unsuffortised reproduction – manually or electronically – is STHICILY prohibited



2450 Regents Court mingham Busi lihull B37 7YE

the hire company.

.

again.

The C

and will be regarded as misuse by

STOP control. Never stop the engine using the decompression

13. To stop the engine use the RUN / STOP control. Never stop the

12. If the handle is accidently released when the engine fires up, do not try to grab it. Stop the engine using the stop orthol. Then start the engine adain.

Crank the engine strongly before lowering the decompression lever smoothly. The engine should fire up, signification 6 above.
If the engine is now running, slide the handle off the shaft.
If the handle is accidently released

handle, and the engine kicks back

thumb around the handle. Keep it on the same side as the fingers – this is very important. The thumb could be broken if it is wrapped around the handle and the graphed shore around the

Grasp the starting handle firmly in one hand - but do not wrap the

button, press it in when starting from

If the engine is fitted with a cold start

Move the decompression valve lever

Fit the starting handle to the shaft, and check by turning it anti-clockwise that the ratchet mechanism works. Check also that the handle slides on and off the shaft easily

Do not wear gloves when starting the engine. Also, make sure that no loose clothing or flapping sleeves

3. Move the STOP control to the RUN

ck that the throttle lever is in the

into the decompression position.

This may damage the engine