

Once the engine has warmed up, fully open the choke, and reset the throttle to idling speed.

To stop the engine set the engines ON/OFF switch to OFF.

## BASIC TECHNIQUES

### Pump Performance

**NEVER** refuel while the engine is hot or running.

A pump's performance depends mainly on the total height through which it is required to pump the liquid. That is the vertical distance from the lowest point in the pump / hose configuration to the highest. In general, the higher you need to pump the water, the less liquid the pump will move in a given time

**Prime the pump with clean water.** Unscrew the priming cap, fill the pump with water, and replace the cap, ensuring the rubber 'O' ring gives an airtight seal.

**Once ready, move the throttle control to the 'fast' position and let the pump get on with its work.**

**If it fails to pump any water, stop the engine and inspect all hoses for kinks, damage and secure connection to the pump.** Check that the filter cage has not become buried in mud and that the pump's MAX HEAD (see chart) has not been exceeded.

Pump Size	MAX HEAD (lift) Total	Max delivery
75mm	28m	1340 l/min

**If no fault can be found, contact your local HSS Hire Shop for advice.**

**Keep an eye on the pump while it is working.** In particular, make sure the inlet filter cage remains in the water at all times. Clean the inlet filter cage from time to time.

**When the water level has reduced to the depth required, switch the engine OFF,** lift the suction hose out of the liquid and wash off any dirt or debris.

## EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire Shop for advice.

**Keep the equipment clean** - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

**Regularly check the fuel level and top up as necessary** with unleaded petrol.

**Regularly check the oil level** - when the engine is cold and on level ground. Withdraw the dipstick, wipe it clean, then replace it, remove it a second time and verify that the

oil level is between the min and max lines, **top up as necessary.** Suitable oils are available on sale or return from your local HSS Hire Shop.

**Never use the equipment to pump anything other than water.** In particular, never use it to pump dangerous or corrosive liquids.

**Handle hoses with care.** Never run them over sharp edges or anywhere else that exposes them to the risk of damage.

**Keep the engine upright at all times.** If it should get tipped over, mop up any oil and fuel spilt and contact your local HSS Hire Shop for advice.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves. Protect this pump from frost and freezing conditions.

## FINISHING OFF

**Switch the engine OFF and wait for the engine to stop, then close the fuel tap.**

**Remove any dirt, vegetation etc that may be clogging the filter cage.**

Finally, **disconnect the hoses and coil them neatly ready for return** to your local HSS Hire Shop.



### ...any comments?

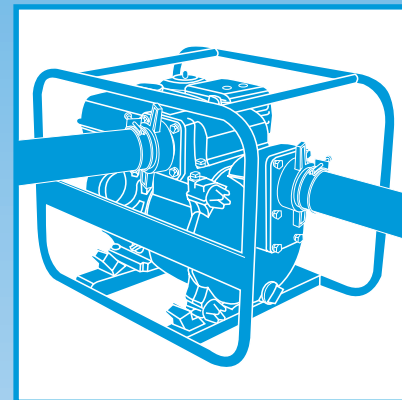
If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below  
**Fax: 020 8687 5001**

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# HSS Hire Shops



## 75mm Petrol Trash Pump

**A petrol engined centrifugal trash pump capable of handling liquid containing solids up to 25mm in diameter.**



## GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.



There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.


The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.


This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using either cones, barriers or tape, available for hire from your local HSS Hire Shop.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

 This equipment is heavy, never attempt to lift it on your own, always get help.

Ensure the work area is well lit and ventilated, if in doubt, ask about lighting and ventilation equipment at your local HSS Hire Shop.

Make sure you know how to switch this machine OFF before you switch it ON in case you get into difficulty.

Never leave the unit running and unattended.

Always switch the engine OFF and wait for moving parts to come to rest before making adjustments to it.

## Exhaust Danger

**NEVER** operate petrol engines indoors or in a confined space.

The exhaust contains gases that can kill.

Engines, especially the exhausts, get very hot so switch OFF and allow to cool before touching them. Keep flammable materials well away from engine and exhaust. Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. Keep combustible materials at a safe distance - at least 5m.

## Fuel Safety

**NEVER** refuel while the engine is hot or running.

Never smoke or allow naked lights into the area while refuelling.

Never inhale fuel vapour.

**ALWAYS** mop up any spillage as quickly as possible, and change your clothes if you get fuel on yourself.

**ALWAYS** store fuel in a purpose-made sealed container, in a cool, safe place well away from the work area.

Never carry lift or pull the equipment by its hoses.

Make sure that everyone is warned of what you are doing.

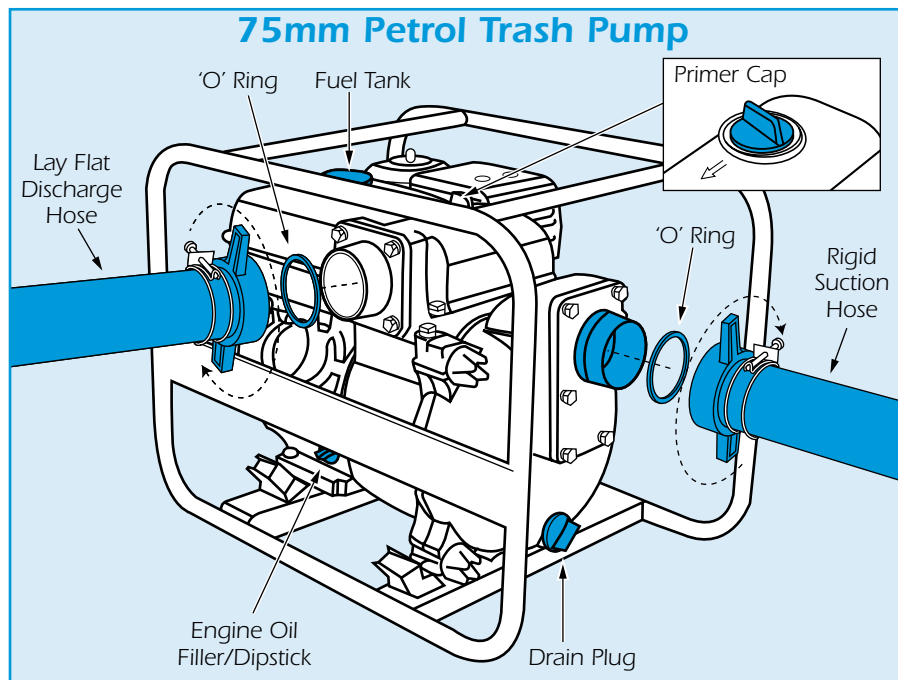
Take care when working around areas of deep water. Always have someone with you, who can summon help if needed. If you must work alone, make sure you tell someone where you are, what you are doing and how long you expect the job to take. Where necessary, wear a life jacket.

Check the equipment before use. If it shows signs of damage or excessive wear, return it.

Take care where you lay hoses. Avoid running them where there is a risk of someone tripping over them.

COSHH information sheets are available from your local HSS Hire Shop.

## GETTING STARTED

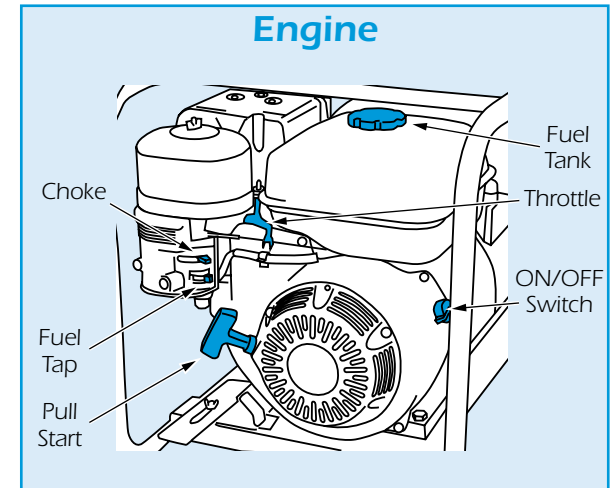


It is essential to familiarise yourself with all the controls before starting.

With the machine on firm level ground, check fuel and oil levels (see EQUIPMENT CARE).

Connect the lay-flat discharge hose to the pump's outlet port. The hose end is fitted with a screw connector. When fitting, ensure the 'O' ring is present, as this provides an airtight seal.

Next connect the rigid suction hose (fitted with a filter cage) to the pump's inlet port. The hose end is also fitted with a screw connector.



Check that the filter cage is securely fixed to the end of the suction hose, then lower it into the water. Suspend the hose from a rope if necessary to raise the filter cage off the bottom.

If this is impractical, place the filter cage in a bucket and secure the hose to the handle using suitable rope or cord.

Run the discharge hose to a convenient drain or other suitable discharge point. Make sure it is free from kinks and sharp turns that could impede the flow of water.

To start the engine set the engines ON/OFF switch to ON, open the fuel tap and set the choke - fully closed if starting from cold, half closed if the engine is warm.

With the throttle control set to 'fast', two or three brisk pulls on the starter cord should now start the engine.