Service and Maintenance

1. Daily Check fuel level in fuel supply tank and top up as needed and when you start.
2. Daily Check vacuum pump oil, Engine oil and coolant level, top up if needed and when you start the unit. (Oil required Multigrade 15W-40)
3. Check Lifting points before and after each lift.

⚠️ **CAUTION!**

- When checking or toping up fuel or oil please make sure the engine is off and not running. Use an appropriate fuel dispenser. Do not smoke!
- Use only clean, fresh, low sulphur commercial-grade diesel fuel.
- Pumps must be drained after use to avoid frost damage.
- Repairs must only be carried out by a competent person, if in any doubt please contact your local Andrews Sykes Depot.
- Always isolate the battery power supply when servicing the unit.

⚠️ **CAUTION!**

General Safety

- Always assess the risk before use. Appropriate PPE must be worn,
- This equipment should only be used by a competent person.
- Follow operation and maintenance instructions.
- Ensure safe and correct positioning of equipment prior to use.
- Moving parts are guarded to protect you or others. Guards removed for maintenance must be replaced before starting the pump.
- Never operate this equipment if you are ill or under the influence of alcohol or drugs.
- Ensure that the equipment is inspected & serviced at appropriate intervals.
- All lifting attachments or equipment are checked prior to use for suitability / rating and replaced if found damaged or faulty. Do not use if faulty.
- Lifting must always be vertical and never subjected to snatch loadings. Always use the lifting points provided. Do not allow the unit to swing whilst being lifted.
- Never insert your hand or any other object into the pump casing/inlets unless you are sure the pump has been switched off, preferably lock it off and retain key or remove and keep starter key.
- If pumps and or hoses are to be used for contaminated, noxious or corrosive liquids then it is the duty of the hirer to notify Andrews Sykes of the specific nature of the material. After use both pumps and or hoses should be flushed with clean water.
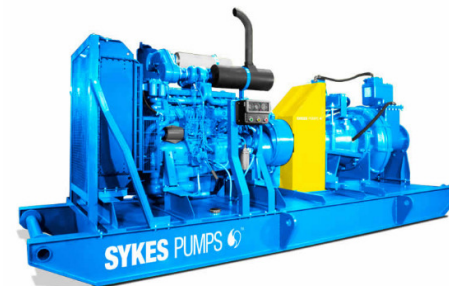

SYKES PUMPS ™

Operating, Maintenance and Safety Instruction leaflet

For Further Information Visit www.sykes-pumps.com or contact your local Andrews Sykes Depot on 0800 211611

UVO 200/150 (D90)

Important

It is the user's responsibility to ensure that the information contained within this leaflet is read and fully understood before any attempt is made to use the equipment.

ANDREWS SYKES GROUP PLC | SYKES PUMPS | ANDREWS AIR CONDITIONING | ANDREWS HEAT FOR HIRE | ANDREWS DEHUMIDIFICATION | ANDREWS CHILLERS | ANDREWS BOILERS | ANDREWS VENTILATION

SY2990000

General Operation

This Pumpset is a fully automatic self-prime unit, it requires no additional priming fluid. The pump will prime automatically on start-up.

> ⚠️ **DANGER!**
>
> - The pump must not be used in an explosive or flammable environment or for pumping flammable liquids.
> - The pump must be switched off before any maintenance utilising the on/off switch (especially when in Auto-mode), isolate power using the battery isolator.
> - When in Auto-mode the pump may Start or Stop unexpectedly.
> - Always use the correct pressure rated hoses for the application.

> ⚠️ **CAUTION!**
>
> **Siting the pumpset**
>
> - The pump should be placed on a level area of ground.
> - Never lift with the suction or delivery hoses attached. The increased weight of these items may cause lifting gear failure.
> - When lifting pump always use the lifting points provided.
> - Never operate an engine in a confined space, ensure adequate ventilation for exhaust fumes.
> - Be aware the exhaust silencer, vacuum pump and associated pipework get hot during use, position the pump so these do not cause a hazard to health or property.
> - Never place flammable items around the unit.
> - Check the area where the liquid will be discharged, make sure that you will not be creating a hazard for persons or for the environment.
> - Connect and Position the hoses to avoid unnecessary stress. Sharp bends should be eliminated, and protective measures taken where hoses come into contact with abrasive surfaces.
> - Collapsible type hoses must not be used on the suction side of the pump.
> - On all Hoses and fittings make sure where ''O'' rings or gaskets are fitted that they are in place and in good condition. Air leaks will affect the performance of the pump.
> - When installing a float switch or other method of signalling for use on Auto-Stop Start please make sure the engine runs sufficiently long enough between signals to allow for battery top up/ charge.

Starting

Read the engine manufacturers instructions in the pump manual or proceed as follows:

> ⚠️ **CAUTION!**
>
> - Before attempting to start the engine please check the engine oil level and coolant, top up if required.
> - Please check that there is adequate fuel in the fuel tank, top up if required.
> - If in any doubt, please contact your local depot.

1. Please fully wind in the surge control valve on the pump.
2. Make sure the battery isolator is switched on.
3. **When fitted with a TECH10 control panel** turn the KEYSWITCH to on.(please make sure the emergency stop is not activated and that the stop is in the run position)

4. Start by selecting the Green start button on the control panel (please select AUTO if utilising Auto stop start)
   (if using auto mode the unit will start automatically without the need to press the start button)
5. When the pump is running please adjust to the required speed for the required performance. To adjust speed on electronic engines please use the Hare button to speed up and Tortuise button to slow down) on the controler, if its a manually controlled engine, adjust the mechanical speed controler on the engine to the required speed.
6. Adjust the surge control to suit priming conditions.
7. If cavitation can be heard from the pump set then please adjust speed or trim the discharge point by lowering or increasing the head to suit by a suitable mechanical device.

Stopping

1. To stop please press the RED Stop button (unless in auto mode where the unit will switch itself off). It is advised to slow the engine down to allow for cooling if possible before turning off. Once the engine has stopped please move the ON/OFF switch to Off.(unless in auto-mode)